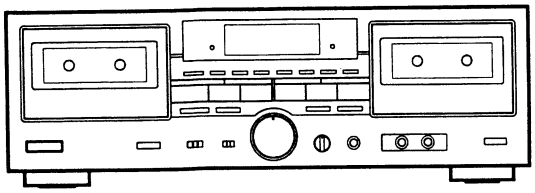
TEAC®



SERVICE MANUAL

W-800R/W-700R

Double Auto Reverse Cassette Deck

NOTES

- PC boards shown are viewed from parts side.
- Parts marked with ＊ require longer delivery time.
- The parts with no reference number or no parts number in the exploded views are not supplied.
- As regards the resistors and capacitors, refer to the circuit diagrams contained in this manual.
- ⚠ Parts marked with this sign are safety critical components. They must be replaced with identical components - refer to the appropriate parts list and ensure exact replacement.
- Parts of [ ] mark can be used only with the version designated.
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K. [A]:AUSTRALIA

注　意

- プリント基板図は部品面が示されています。
- ＊印の部品は納期が若干かかります。あらかじめご了承ください。
- 分解図に部番のない部品及び品番のない部品は供給しません。
- 標準の抵抗、コンデンサーは省略してあります。回路図を参照してください。
- ⚠印は安全重要部品です。交換する時は必ずティアック指定の部品を使用してください。
- 仕向先
  [J]:JAPAN [US]:U.S.A. [C]:CANADA [GE]:GENERAL EXPORT
  [E]:EUROPE [UK]:U.K. [A]:AUSTRALIA

Effective : September, 1993

5704066500

1 SPECIFICATIONS
仕　様

Track System : 4-Track, 2-Channel Stereo
Heads : **[W-800R]**
4 ; Deck Ⅰ ; 1 Erase and 1 Record/Playback (Rotating)
Deck Ⅱ ; 1 Erase and 1 Record/Playback (Rotating)
[W-700R]
3 ; Deck Ⅰ ; 1 Playback (Rotating)
Deck Ⅱ ; 1 Erase and 1 Record/Playback (Rotating)
Type of Tape : Cassette tape C-60 and C-90 (Philips type)
Tape Speeds :
4.76 cm/sec (1-7/8 ips)
9.5 cm/sec (3-3/4 ips) (High speed dubbing)
Motors : 2 DC servo motors (1 ea. deck)
Wow and Flutter : 0.06 % (WRMS)
Frequency response (Overall, - 20 dB) :
25-19,000 Hz, Metal tape
25-18,000 Hz, CrO_2 tape
25-17,000 Hz, Normal tape
Signal - to - Noise Ratio (Overall) :
59 dB (NR off, 3 % THD Level, Weighted)
69 dB (Dolby B NR on, over 5 kHz)
79 dB (Dolby C NR on, over 1 kHz)
Fast Winding Time :
Approximately 110 seconds for C-60
Inputs : Line : 97 mV, 50 k ohms
Mic : 0.38 mV, 200 ohms **[W-800R]**
Outputs : Line : 0.52 V for load impedance of 50 k ohms or more
Headphones : 8 ohms
Power Requirements :
120/230 V AC, 50-60 Hz
(General Export model)
120 V AC, 60 Hz (U.S.A./Canada model)
230 V AC, 50 Hz (Europe model)
240 V AC, 50 Hz (U.K./Australia model)
Power Consumption : 15 W **[W-800R]**/14 W **[W-700R]**
Dimensions (W × H × D) :
435 × 144 × 284 mm
(17-1/8" × 5-11/16" × 11-3/16")
Weight (net) : 4.8 kg (10-9/16 lbs.) **[W-800R]**
4.6 kg (10-1/8 lbs.) **[W-700R]**
Standard Accessories : Input-output connection cords

- Specifications were determined using metal tape except as noted.
- Improvements may result in specification or feature changing without notice.

Dolby noise reduction and HX Pro headroom extension manufactured under license from Dolby Laboratories Licensing Corporation. HX Pro originated by Bang & Olufsen.

"DOLBY", the double - D symbol ⊡ and "HX PRO" are trademarks of Dolby Laboratories Licensing Corporation.

[W-800R]

トラック形式	4トラック2チャンネル ステレオ
ヘッド構成	録音／再生ヘッド×1, 消去ヘッド×1 (ロータリー式, TAPE Ⅰ／TAPE Ⅱ)
使用テープ	C-60, C-90タイプ カセットテープ
テープ速度	4.8cm/sec, 9.5cm/sec (倍速ダビング時)
モーター	DCサーボモーター×1 (TAPE Ⅰ／TAPE Ⅱ)
ワウ・フラッター	0.06％(W. RMS) ±0.1％(W. Peak)*
周波数特性(総合)	メタル : 25～20,000Hz (30～19,000Hz ±3dB*) クローム : 25～19,000Hz (30～18,000Hz ±3dB*) ノーマル : 25～18,000Hz (30～17,000Hz ±3dB*)
SN比(総合)	58dB(NR OFF, 規定録音レベル)* 69dB(ドルビーB NR ON, CCIR-ARM) 79dB(ドルビーC NR ON, CCIR-ARM)
早巻時間	約110秒(C-60テープ)
入力	ライン : 97mV (入力インピーダンス50kΩ) マイク : 0.38mV (入力インピーダンス200Ω)
出力	ライン : 0.52V (負荷インピーダンス50kΩ以上) ヘッドホン : 8Ω
電源	100V AC, 50-60Hz
消費電力	15W
外形寸法	435 × 144 × 284mm (W × H × D)
重量	4.8kg
付属品	リモコンユニット RC-506 × 1 入出力コード×2, 乾電池(単4)×2 取扱説明書, 保証書

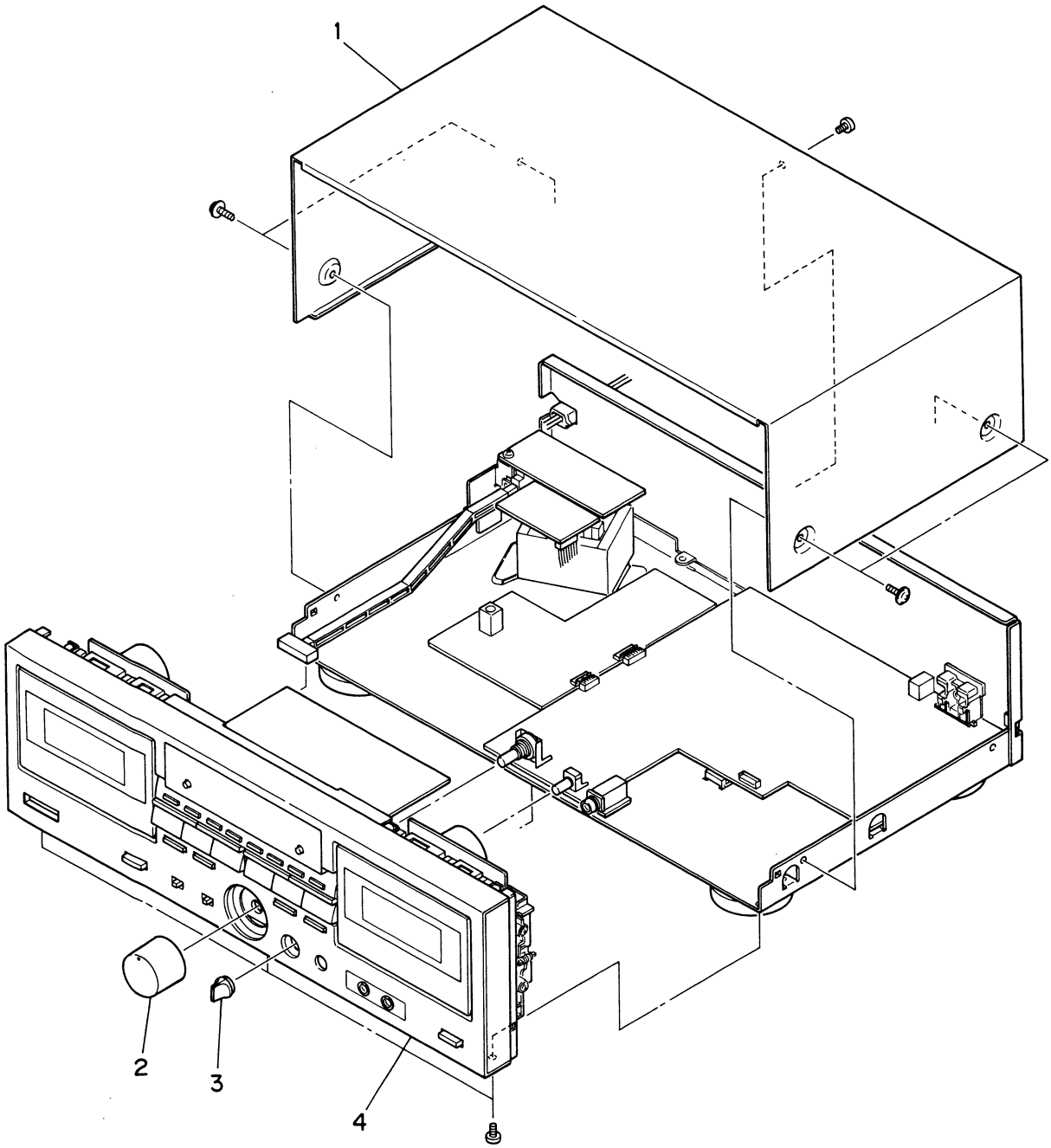
●仕様および外観は、改善のため予告なく変更することがあります。
●＊印は、日本電子機械工業会 *(EIAJ CP-2311)* 規格に定められた測定法によるものです。

ドルビーノイズリダクション及びHXプロヘッドルームエクステンションはドルビーラボラトリーズライセンシングコーポレーションからの実施権に基づき製造されています. HXプロはバングアンドオルフセンの考案です.

ドルビー, DOLBY, ダブルD記号 ⊡ 及びHXプロはドルビーラボラトリーズライセンシングコーポレーションの登録商標です.

2 CASE AND FRONT PANEL REMOVAL
外装部品の外し方

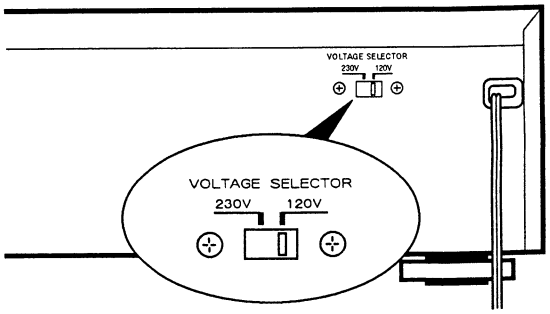
Disassemble in number-order
番号順に外してください



Voltage Conversion
(General export models only)

Be sure to remove the power cord from the AC outlet before repositioning the voltage converter switch.

1. Locate the voltage selector on the rear panel.
2. Using a flat-bladed screwdriver, set to the appropriate 230 V or 120 V position according to your area.



3 ADJUSTMENT AND CHECKS
調整と確認

3-1 MECHANICAL ADJUSTMENT

3-1-1 Wow and flutter (playback method)

Note : In both FWD and REV play modes, these measurements should be made at the beginning, middle, and the end of the tape.

1. Connect a wow-and-flutter meter to the deck as shown in Fig. 3-1.
2. Load and play a TEAC MTT-111N test tape.
3. Check that the readings on the wow-and-flutter meter is within 0.15 % (WRMS).

3-1 機構部の調整

3-1-1 ワウ・フラッタ (再生法)

注:FWD, REV両方向でテープの巻始め、中間、巻終りを測定する。

1. Fig. 3-1のようにワウ・フラッタメーターを接続する。
2. テストテープMTT-111Nを再生する。
3. ワウ・フラッタ値が0.15 % (WRMS) 以下であることを確認する。

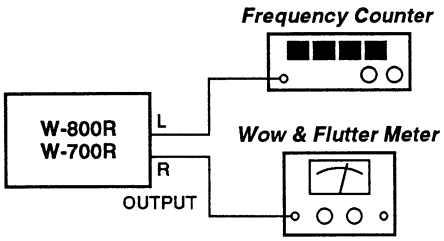


Fig. 3-1

3-1-2 Tape speed

1. Connect a frequency counter to the deck as shown in Fig. 3-1.
2. Load a TEAC MTT-111N test tape and play in FWD direction the beginning of the test tape.
3. Adjust each variable resistor (Fig. 3-2) to get the following figures.

	Adjustment point		Adjustment value (Hz)
DECK I	HIGH speed	VR1	5,990~6,010
	LOW speed	VR2	2,995~3,005
DECK II	HIGH speed	VR3	5,990~6,010
	LOW speed	VR4	2,995~3,005

＊At first, adjust HIGH tape speed.
＊Short TP1 to get the HIGH tape speed.

4. In play mode, check that the following figures are obtained at the beginning and at the end of the tape.

	Speed drifting
HIGH speed	Within 90Hz
LOW speed	Within 45Hz

3-1-2 テープスピード

1. Fig. 3-1のように周波数カウンターを接続する。
2. テストテープMTT-111Nの巻始め部をFWD方向で再生する。
3. 周波数値が下表の範囲内になるよう、各調整VR(Fig. 3-2)を調整する。

	調整個所		調整値 (Hz)
DECK I	HIGH speed	VR1	5,990~6,010
	LOW speed	VR2	2,995~3,005
DECK II	HIGH speed	VR3	5,990~6,010
	LOW speed	VR4	2,995~3,005

＊HIGH Speedを先に調整すること。
＊TP1をショートすると、HIGH Speedになる。

4. 巻始めから巻終りまで再生し、変動幅を確認する。

	変動幅
HIGH speed	90Hz以内
LOW speed	45Hz以内

3-1-3 Reel torque

1. Load the cassette torque meter on the deck and read the pointer indication on the dial scale for each tape transport operation. The measured torque should be within the following specified values.
   Take-up : 35 to 70g・cm
   Supply : 2.5 to 6g・cm
   FF/REW : 80 to 170g・cm

3-1-3 リールトルク

1. カセット型トルクメーターによる測定値が下記の範囲内であることを確認する。
   テイクアップトルク : 35~70g・cm
   バックテンショントルク : 2.5~6g・cm
   早送り／巻戻しトルク : 80~170g・cm

3-2 ELECTRICAL ADJUSTMENT

3-2-1 Precautions

- Before performing adjustments and checks clean and demagnetize the entire tape path.
- In general, adjustments and checks are made in the order of Lch then Rch. Double REF. Nos. indicate Lch /Rch. (Example ; R11/R21)
- 0dB is referenced to 0.775V.
- The AC voltmeter used in the procedures must have an input impedance of 1MΩ or more.
- Input terminals and measuring points at each step are the same as previous step, otherwise specified.
- Unless specified otherwise, adjustments and checks are made in FWD direction.

3-2 アンプ部の調整

3-2-1 注意

- アンプ部の調整・確認の前に、テープ走行系の消磁と清掃を行なってください。
- 特に指定のない限り、調整はLch, Rchの順序で行なってください。尚、R11/R21のように記されている回路番号はLch/Rchを示します。
- 0dB=0.775V
- 測定に使用するレベル計の入力インピーダンスは1MΩ以上のものを使用してください。
- 入力端子及び測定個所は各ステップに於て特に明記されている場合を除き、直前のステップと同じです。
- 特に指定のない場合、調整および確認はFWD方向で行なってください。

3-2-2 Adjustment locations 調整個所

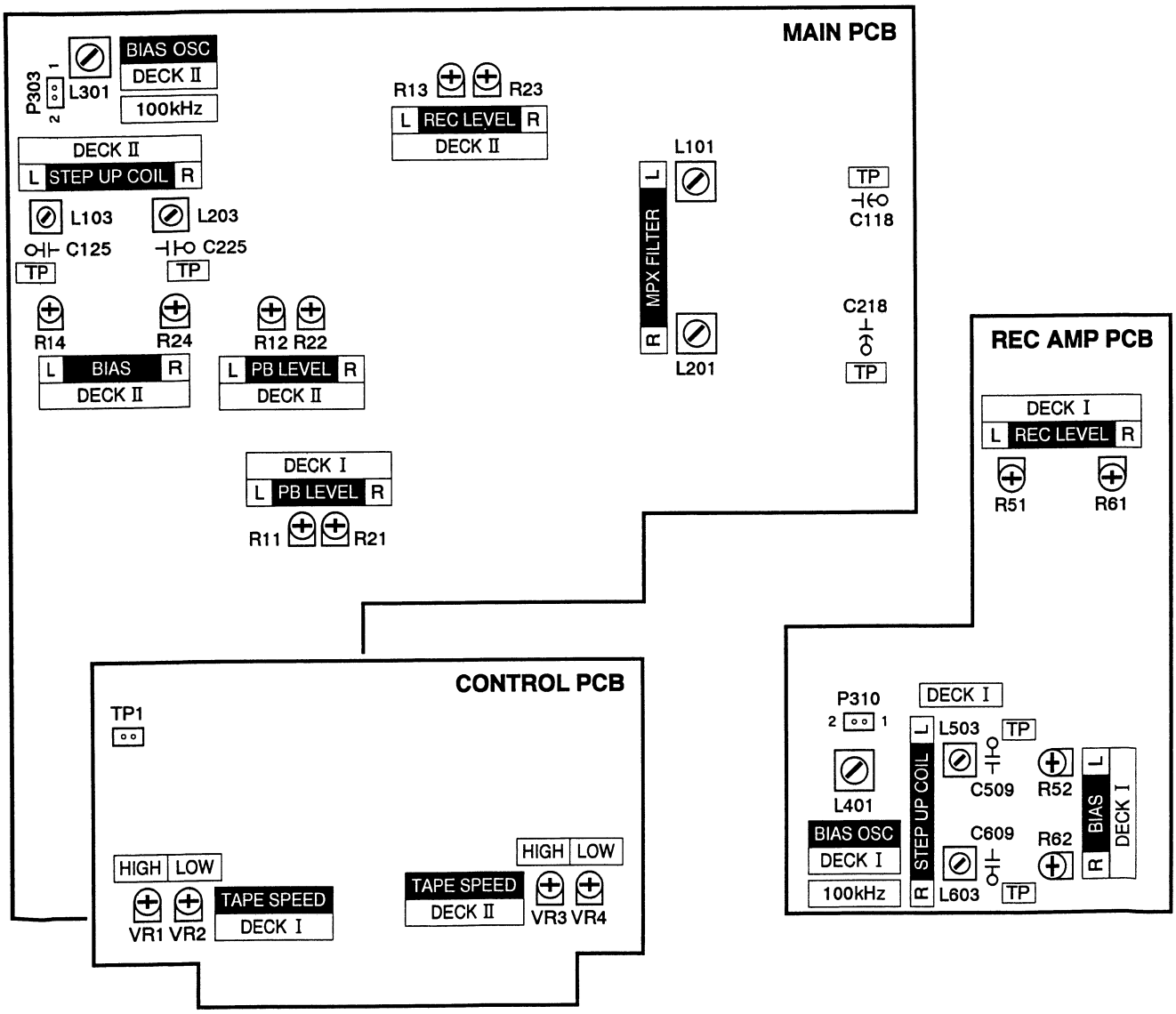
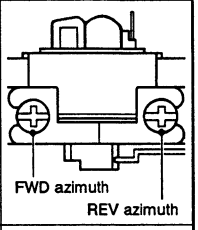
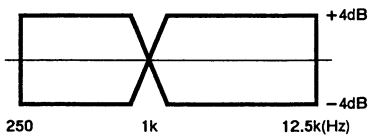


Fig. 3-2

3-2-3 Playback performance 再生系

Deck settings :
Mode : PLAY
DOLBY NR Switch : OFF

TEAC test tapes :
MTT-150C : For Dolby level calibration
MTT-25702 : For playback frequency response check NORMAL tape
MTT-5512 : For S/N check NORMAL tape

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS, RESULT 測定個所・調整値	REMARKS 備考
1. Head azimuth adjustment アジマス調整	Connection : Fig. 3-4 Check/adjust in FWD, REV respectively FWD、REVそれぞれ調整・確認	MTT-150C	Check	OUTPUT : Phase : within 45° 位相 : 45° 以内 (Fig. 3-5)	
		MTT-25702 (12.5kHz)	Azimuth screws アジマス調整ねじ	OUTPUT : Maximum output level at L & R-ch Lch、Rchとも出力最大	
2. DOLBY level ドルビーレベル	Connection : Fig. 3-6 FWD PLAY	MTT-150C	R11/R21	TP ; C118⊖/C218⊖ : −6dB (388mV)	PLAY I REC/PLAY I W-700R W-800R
			R12/R22		REC/PLAY II
3. Playback output level 再生出力レベル	Connection : Fig. 3-3 FWD/REV PLAY	MTT-150C	Check	OUTPUT : −4.5 ± 1dB (411mV~518mV)	Ref. output level 基準出力レベル
4. Meter level メーターレベル		MTT-150C	Check	PEAK LEVEL METER: ◻ mark ± 1dot	
5. PHONES output level PHONES 出力レベル	Connection : Fig. 3-7	MTT-150C	Check	PHONES : −19 ± 3dB (61.6mV~123mV)	8Ω load 8Ω負荷
6. Playback frequency response 再生周波数特性	Connection : Fig. 3-3	MTT-25702	Check		
7. Playback S/N ratio 再生S/N比	Connection : Fig. 3-3	MTT-5512 Playback the leader tape portion リーダーテープ部を再生	Check	46dB min.	Ratio of ref. level to noise 基準出力レベルとノイズの比

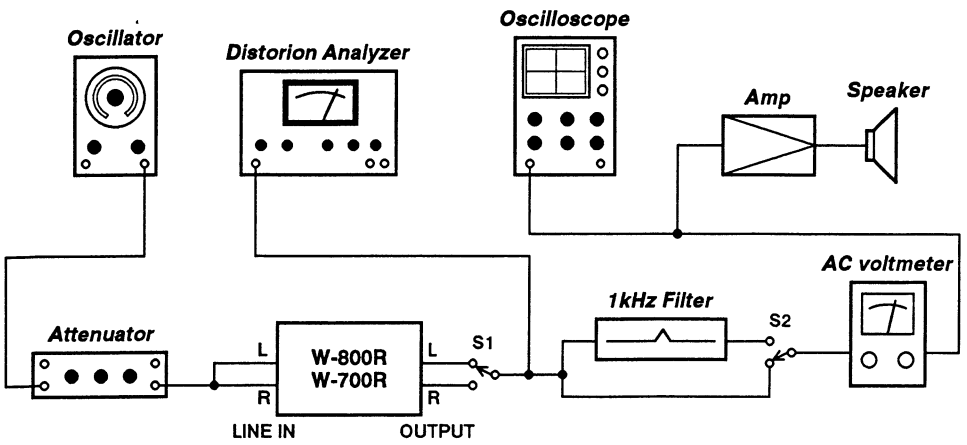


Fig. 3-3 Basic test setup

3-2-4 Monitor performance モニター系

Deck settings :
Mode : REC-PAUSE
DOLBY NR Switch : OFF

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS, RESULT 測定個所・調整値	REMARKS 備考
8. Min. LINE input level ライン最小入力レベル	Connection : Fig. 3-3 REC LEVEL Control:MAX BALANCE Control:Center	LINE IN : 400Hz/− 19dB (87mV)	Check	OUTPUT : − 4.5 ± 3dB (327mV~652mV)	
9. Min. MIC input level マイク最小入力レベル **[W-800R]**	Connection : Fig. 3-3 REC LEVEL Control:MAX BALANCE Control:Center	MIC : 400Hz/− 67dB (0.346mV)	Check	OUTPUT : − 4.5 ± 3dB (327mV~652mV)	
10. Specified LINE input level ライン規定入力レベル	Connection : Fig. 3-3	LINE IN : 400Hz/− 9dB (275mV)	REC LEVEL Control BALANCE Control	OUTPUT : − 4.5dB (462mV)	After adjusting, do not move (Specific position) 調整後は動かさないこと(規定位置)
11. Monitor S/N ratio モニター S/N比	Connection : Fig. 3-3	LINE IN : No signal 無信号	Check	60dB min.	Ratio of ref. level to noise 基準出力レベルとノイズの比

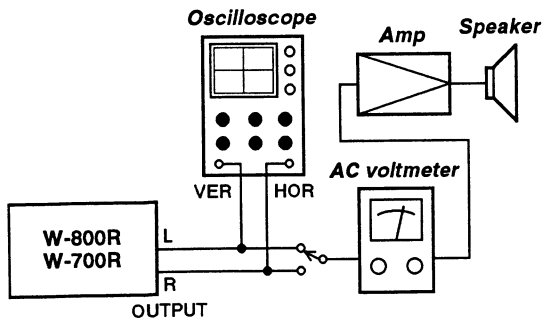


Fig. 3-4 Test setup for azimuth check

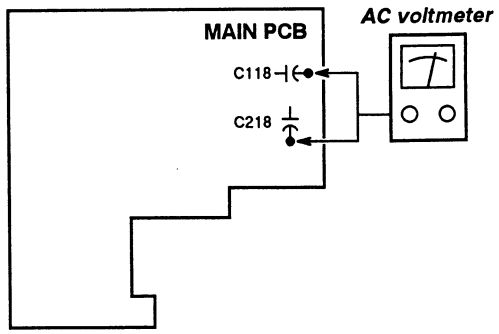


Fig. 3-6 Test setup for DOLBY level adjustment

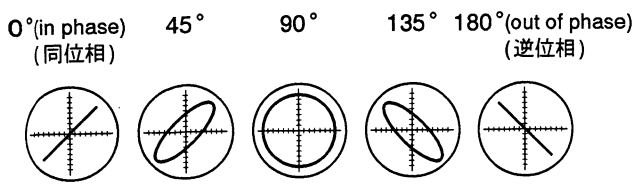


Fig. 3-5 Confirming phase relationship

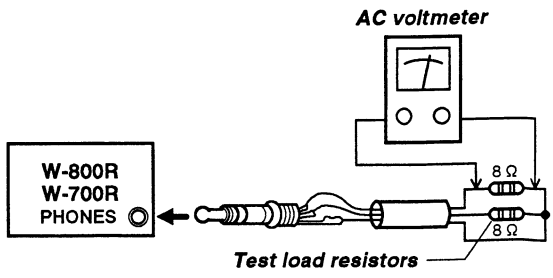
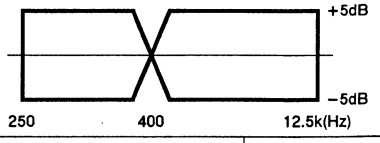


Fig. 3-7 Test setup for PHONES check

3-2-5 Recording performance 録音系

Deck settings :
- Mode : REC/PLAY
- DOLBY NR Switch : OFF
- REC LEVEL Control : Specified position 規定位置 (Item10)
- BALANCE Control : Specified position 規定位置 (Item10)

TEAC recording test tapes :
- MTT-5512 : For NORMAL
- MTT-5562 : For CrO_2
- MTT-5571 : For METAL

ITEM 項目	SETTING 設定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING POINTS, RESULT 測定個所・調整値	REMARKS 備考
12. Bias osc frequency バイアス 発振周波数	Connection : Fig. 3-8 TAPE : MTT-5512 Mode : REC	LINE IN : No signal 無信号	L301	P303-1 : 100kHz	REC/PLAY II
			L401	P310-2 : 100kHz	REC/PLAY I W-800R
13. Step up coil ステップアップ コイル	Connection : Fig. 3-9 TAPE : MTT-5571 Mode : REC	LINE IN : No signal 無信号	L103/L203	TP ; C125/C225 : Min. DC voltage DC電圧最小	REC/PLAY II
			L503/L603	TP ; C509/C609 : Min. DC voltage DC電圧最小	REC/PLAY I W-800R
14. Record bias 録音バイアス	Connection : Fig. 3-3 TAPE : MTT-5512	LINE IN : 250Hz/10kHz −42dB (6.16mV)	R14/R24	OUTPUT : Nearly equal level at both frequencies 両周波数の録再出力が同レベル	REC/PLAY II
			R52/R62		REC/PLAY I W-800R
15. MPX filter MPXフィルター	Connection : Fig. 3-3 Mode : REC	LINE IN : 19kHz/−12dB (195mV)	L101/L201	30dB min.	Ratio of ref. level to signal 基準出力レベルに対する比
16. Record level adjustment 録音レベル調整	Connection : Fig. 3-3 TAPE : MTT-5512	LINE IN : 400Hz/−12dB (195mV)	R13/R23	OUTPUT : −7.5dB (327mV)	REC/PLAY II
			R51/R61		REC/PLAY I W-800R
17. Record level check 録音レベル確認	Connection : Fig. 3-3 TAPE : MTT-5562 MTT-5571	LINE IN : 400Hz/−12dB (195mV)	Check	OUTPUT : −7.5 ± 1dB (291mV〜367mV)	
18. Total harmonic distortion 総合歪率	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : 400Hz/−12dB (195mV)	Check	NORMAL : 2.0% or less CrO_2 : 2.5% or less METAL : 2.5% or less	
19. Overall frequency response 録再周波数特性	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : 250Hz〜12.5kHz −42dB (6.16mV)	Check		
20. Overall S/N ratio 総合S/N比	Connection : Fig. 3-3 TAPE : MTT-5512 MTT-5562 MTT-5571	LINE IN : No signal 無信号	Check	NORMAL : 45dB min. CrO_2 : 46dB min. METAL : 46dB min.	Ratio of ref. level to noise 基準出力レベルとノイズの比

ITEM 項 目	SETTING 設 定	INPUT SIGNAL 入力信号	ADJUSTMENTS 調整個所	MEASURING RESULT 調整値	REMARKS 備 考
21. Erase efficiency 消去率	Connection : Fig. 3-3 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+1dB (870mV)	Check	65dB min.	Ratio of the 1kHz recorded portion to the erased portion. 未消去部分と消去部分の比
22. REC MUTE function REC MUTE 効果	Connection : Fig. 3-3 TAPE : MTT-5571 1kHz B.P.F in	LINE IN : 1kHz/+1dB (870mV)	Check	55dB min.	Ratio of the 1kHz recorded portion to the "REC MUTE"portion. 録音部分と"REC MUTE"部分の比
23. Channel seperation チャンネル セパレーション	Connection : Fig. 3-3 TAPE : MTT-5562 1kHz B.P.F in	LINE IN : Lch 1kHz/−9dB (275mV) Rch No signal 無信号	Check	35dB min.	Ratio of the 1kHz recorded portion (Lch) to the no signal portion (Rch). 録音部分 (Lch) と無信号部分 (Rch) の比
24. Adjacent track crosstalk トラック間 クロストーク	Connection : Fig. 3-3 TAPE : MTT-5571	LINE IN : Lch No signal 無信号 Rch 125Hz/-9dB (275mV)	Check	40dB min.	Invert tape and play Rch track. Check leckage level against the output reference of previously recorded portion. テープを反転して再生した時のRch出力レベルの比

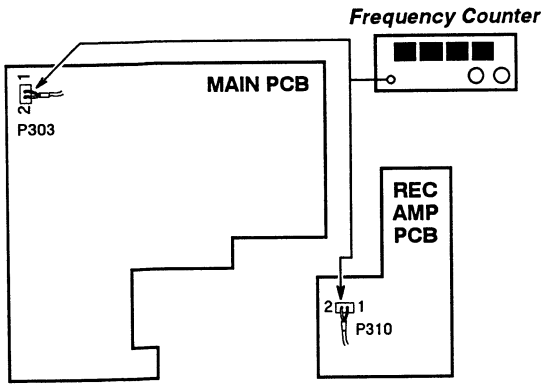


Fig. 3-8 Test setup for bias OSC adjustment

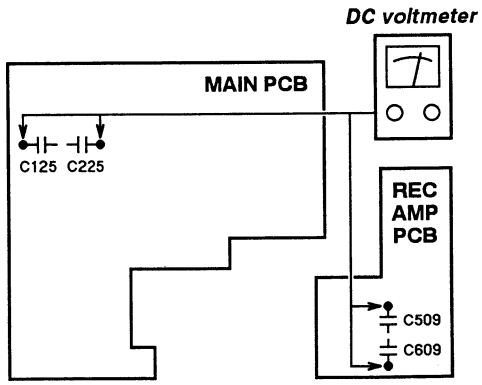
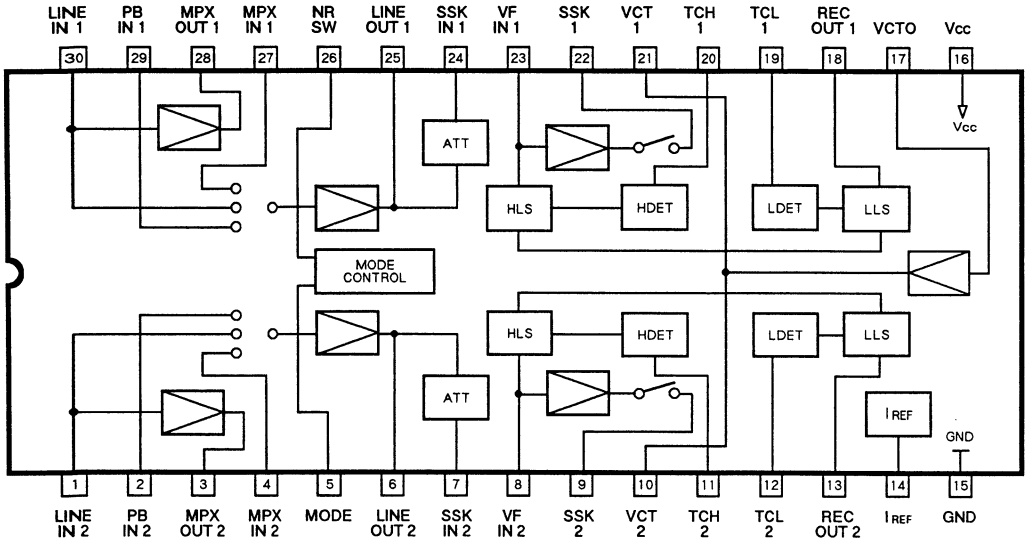


Fig. 3-9 Test setup for step up coil adjustment

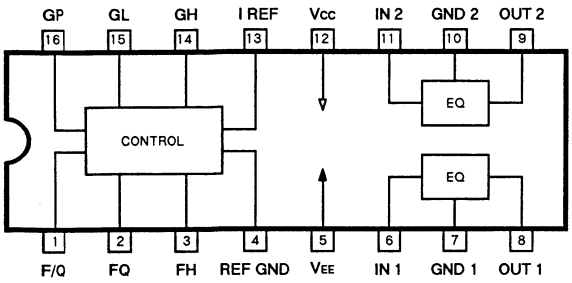
4 IC BLOCK DIAGRAMS

IC ブロックダイアグラム

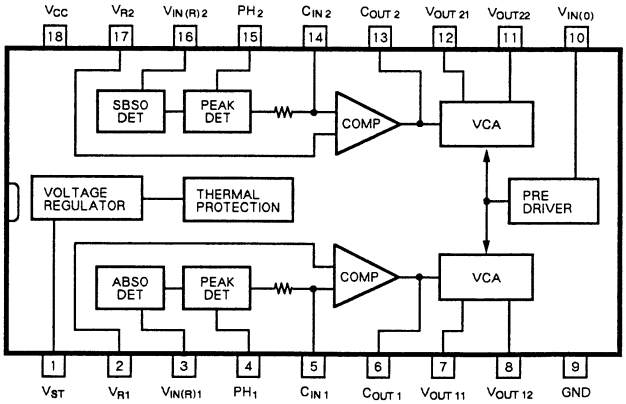
U305 CXA1331S



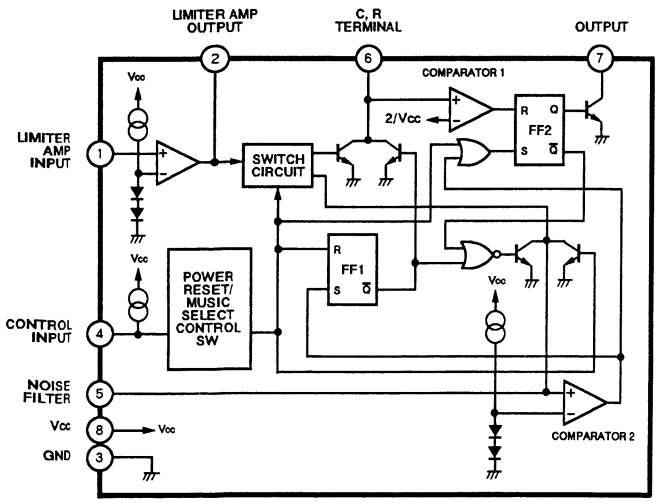
U308 CXA1198AP



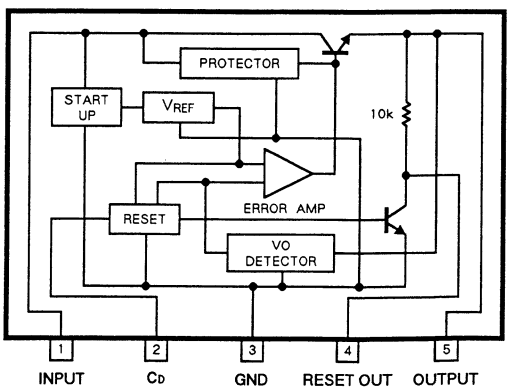
U310, U403 uPC1297CA



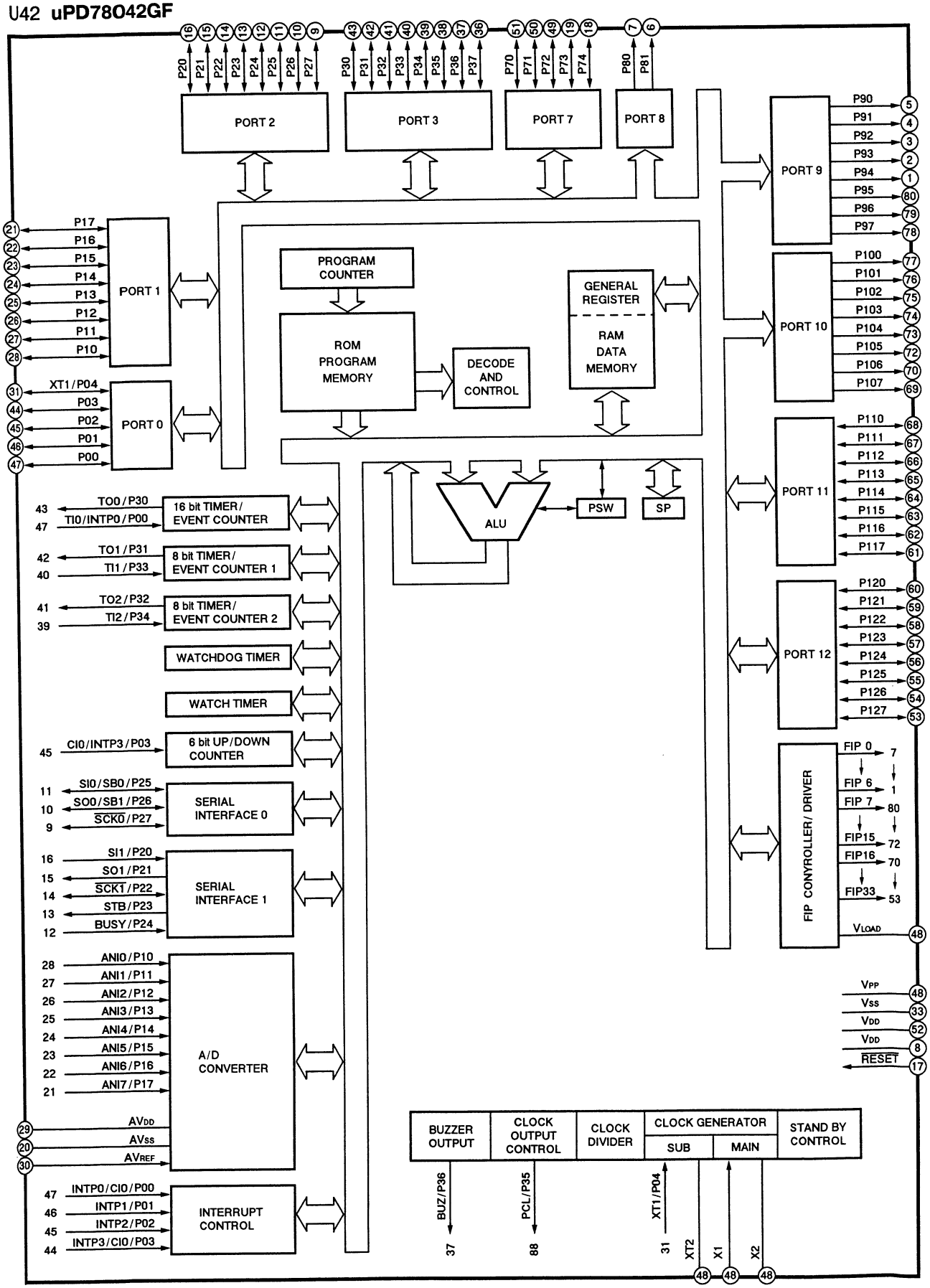
U311 M51143AL



U41 L78LR05D



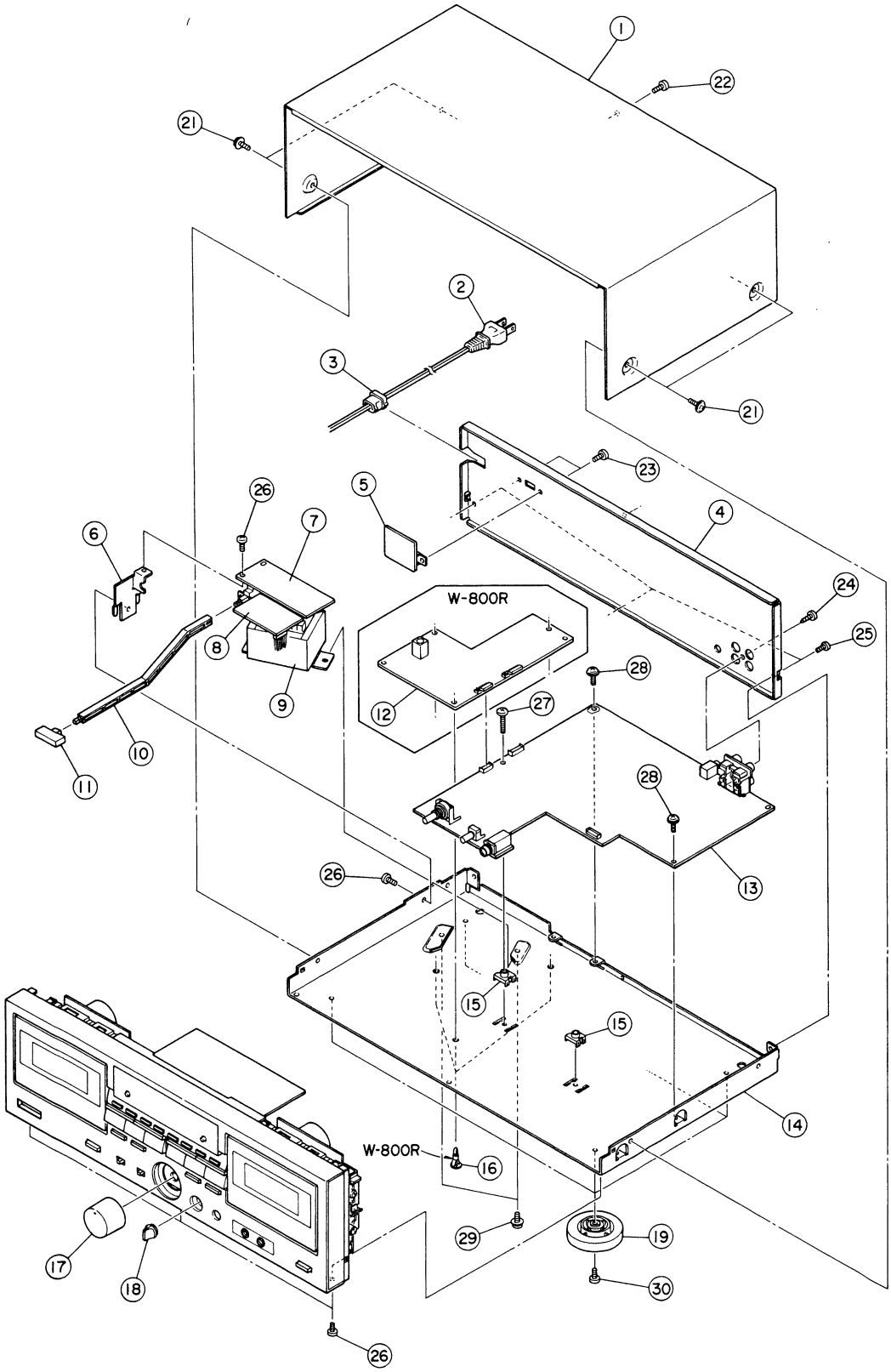
U42 **uPD78042GF**



5 EXPLODED VIEWS AND PARTS LIST

分解図とパーツリスト

EXPLODED VIEW-1



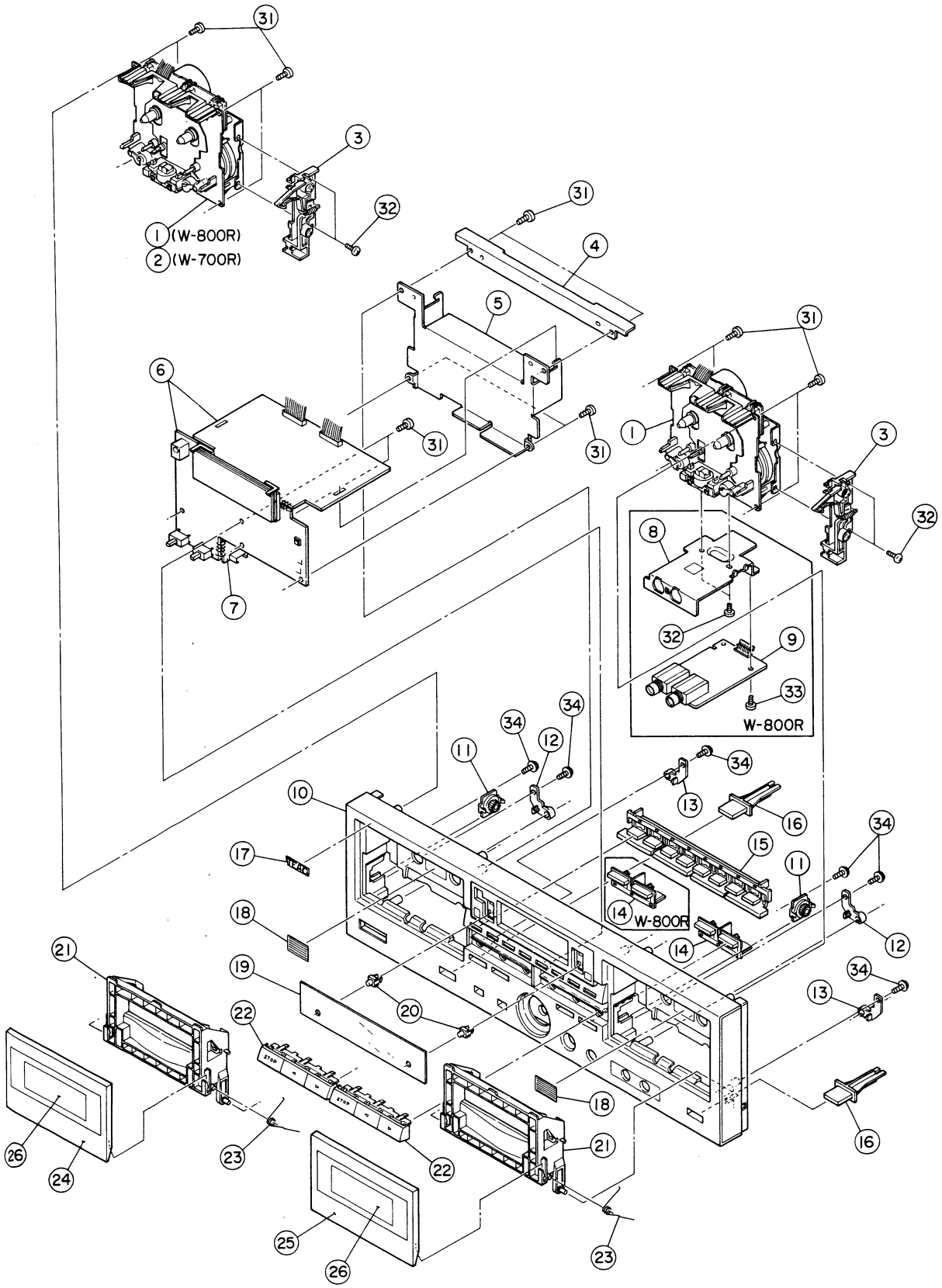
EXPLODED VIEW-1

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
1- 1	*9260155903	BONNET	
1- 2	⚠ 9109025710	AC CORD, CEE [E]	
	⚠ 9109025810	AC CORD, UL [GE]	
	⚠ 9109025910	AC CORD, BS [UK]	
	⚠ 9109026010	AC CORD [A]	
	⚠ 9109026110	AC CORD [J]	
	⚠ 9109026210	AC CORD, UL [US,C]	
1- 3	⚠ 9121000102	BUSHING, #2271	
1- 4	*9260181501	REAR PANEL [US,C]	
	*9260183101	REAR PANEL [GE]	
	*9260185901	REAR PANEL [J,E,UK,A]	
1- 5	*9145123500	SELECTOR SW PCB ASSY [GE]	
1- 6	*9260175500	LINKAGE BRACKET	
1- 7	*9145123400	TRANS PCB A ASSY [US,C]	
	*9145123410	TRANS PCB A ASSY [E,UK,A]	
	*9145123420	TRANS PCB A ASSY [GE]	
	*9145123430	TRANS PCB A ASSY [J]	
1- 8	*9145123600	TRANS PCB B ASSY	
1- 9	⚠ 9125101000	POWER TRANSFORMER [US,C]	
	⚠ 9125101200	POWER TRANSFORMER [J,GE,E,UK,A]	
1-10	*9260182600	POWER LINKAGE	
1-11	9260132900	POWER BUTTON	
1-12	*9145123800	REC AMP PCB ASSY	W-800R
1-13	*9145123102	MAIN PCB ASSY	W-800R
	*9145123113	MAIN PCB ASSY	W-700R
1-14	----------	MAIN CHASSIS	
1-15	*9260151300	PCB SUPPORT	
1-16	*9260184800	PCB SUPPORT, H=8	W-800R
1-17	9260156500	VR KNOB	
1-18	9260151001	PAN CAP KNOB	
1-19	*9260113901	FOOT ASSY	
1-21	*9783053006	SCREW, CAP-S M3X6 (BLK)	
1-22	*9783593008	SCREW, C-TITE M3X8 (NI-BLK)	
1-23	*9783233008	SCREW, BTT-S M3X8 (BLK) [GE]	
1-24	*9783613008	SCREW, BTT-P M3X8 (BLK)	
1-25	*9783233006	SCREW, BTT-S M3X6 (BLK)	
1-26	*9783203006	SCREW, BTT-S M3X6	
1-27	*9783203014	SCREW, BTT-S M3X14	
1-28	*9783103006	SCREW, CAP-S M3X6	
1-29	*9783294008	SCREW, BTB-S M4X8	
1-30	*9783203008	SCREW, BTT-S M3X8	

INCLUDED ACCESSORIES

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
	*9101395900	OWNER'S MANUAL, ENGLISH [EXCEPT J]	W-800R
	*9101395600	OWNER'S MANUAL, ENGLISH	W-700R
	*9101396001	OWNER'S MANUAL, JAPANESE [J]	W-800R
	*9101395700	OWNER'S MANUAL, 5-LANGUAGE [C,E]	
	*9109027100	IN-OUTPUT CORD	
	*9151001500	REMOTE CONTROL UNIT, RC-506 [J]	W-800R
	*5347016500	BATTERY, UM-4 [J]	W-800R

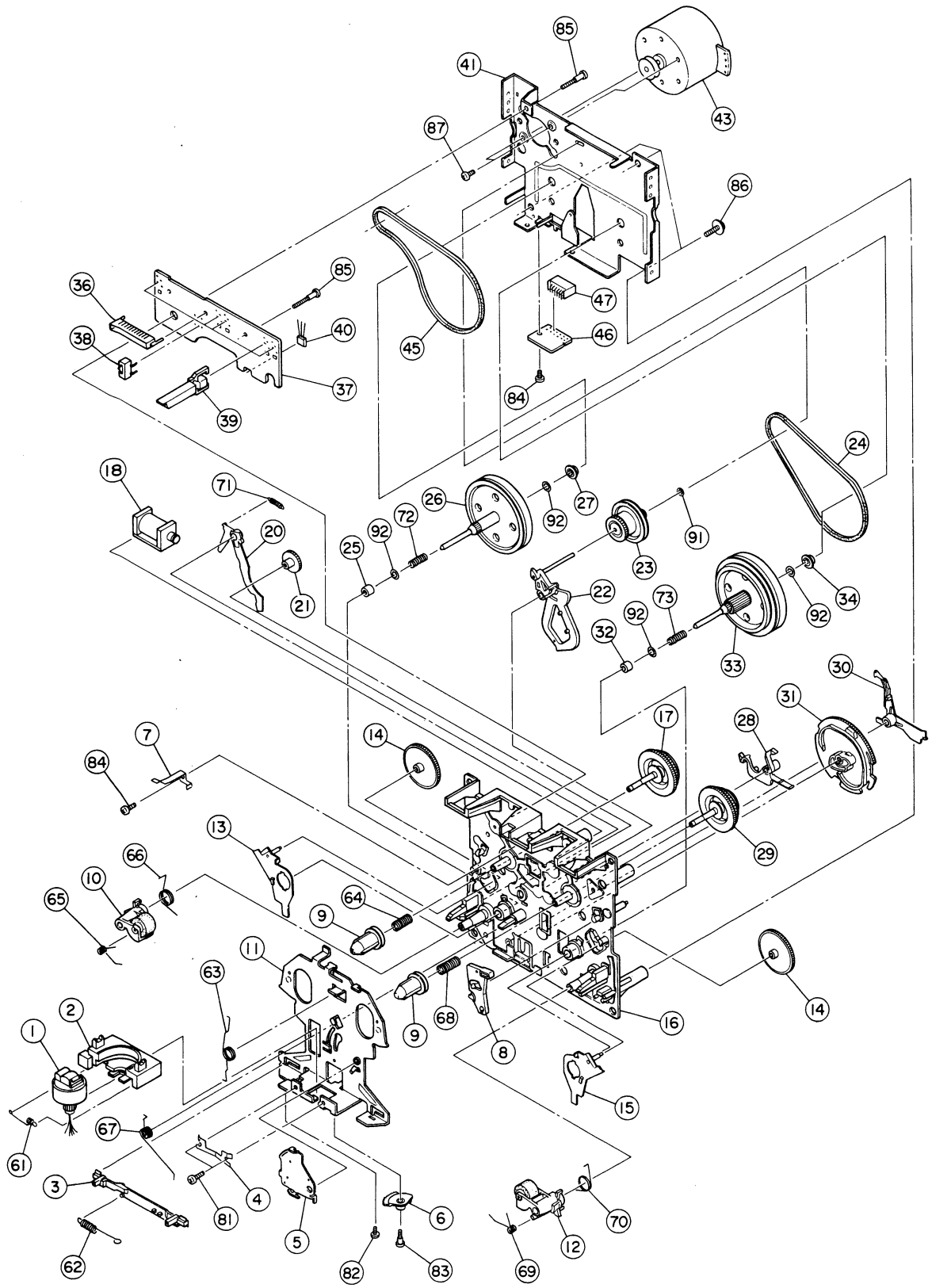
EXPLODED VIEW-2



EXPLODED VIEW-2

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
2- 1	*9278033500	MECH ASSY, R/P CRP-482	W-700R DECK 2, W-800R
2- 2	*9278033600	MECH ASSY, PLAY CRP-483	W-700R DECK 1
2- 3	9260185401	EJECT ASSY	
2- 4	*9260181602	TOP BRACKET	
2- 5	*9260185302	SHIELD PLATE	
2- 6	*9145123201	CONTROL PCB ASSY	W-800R
	*9145123211	CONTROL PCB ASSY	W-700R
2- 7	*9145123300	CONNECTOR PCB ASSY	
2- 8	*9260181700	JACK BRACKET	W-800R
2- 9	*9145124300	MIC JACK PCB ASSY	W-800R
2-10	*9260188200	FRONT PANEL ASSY	W-800R
	*9260188100	FRONT PANEL ASSY	W-700R
2-11	9260077301	DAMPER	
2-12	9260185001	STOPPER CASE, L	
2-13	*9260185101	STOPPER CASE, R	
2-14	*9260182001	REC BUTTON	
2-15	9260182301	FF/REW BUTTON	W-800R
	9260182201	FF/REW BUTTON	W-700R
2-16	9260182501	EJECT BUTTON	
2-17	*9260188300	TEAC EMBLEM	
2-18	*5800822400	REFLECT TAPE	
2-19	*9260183302	METER COVER [US,C,GE,A]	
	*9260186102	METER COVER [J,E,UK]	
2-20	*9260182400	CLEAR BUTTON	
2-21	*9260181901	READ CASE	
2-22	*9260182101	PLAY BUTTON	
2-23	*9260183201	CASE SPRING	
2-24	*9260185701	READ DOOR C	W-800R
	*9260181801	READ DOOR A	W-700R
2-25	*9260185601	READ DOOR B	
2-26	*9260183400	L/D COVER	
2-31	*9783603008	SCREW, BTT-P M3X8	
2-32	*9783202006	SCREW, BTT-S M2X6	
2-33	*9783202606	SCREW, BTT-S M2.6X6	W-800R
2-34	*9783413008	SCREW, CAP-P M3X8 (BLK)	

EXPLODED VIEW-3



EXPLODED VIEW-3

REF.NO.	PARTS NO.	DESCRIPTION	REMARKS
3- 1	9278336800	ASSY HOLDER HEAD	W-700R DECK 2, W-800R
	9278330000	ASSY HOLDER HEAD	W-700R DECK 1
3- 2	*9278330100	FLAME HEAD	
3- 3	*9278330200	LEVER HEAD	
3- 4	*9278330300	SPRING AZIMUTH	
3- 5	*9278330400	ASSY ARM ASSIST	
3- 6	*9278330500	GEAR ARM HEAD	
3- 7	*9278330600	SPRING CASSETTE	
3- 8	*9278330700	EJECT LOCK	
3- 9	*9278330800	CAP REEL	
3-10	9278330900	ASSY PINCH ARM L	
3-11	*9278331000	CHASSIS HEAD	
3-12	9278331100	ASSY PINCH ARM R	
3-13	*9278331200	ARM PLAY L	
3-14	9278331300	GEAR PLAY	
3-15	*9278331400	ARM PLAY R	
3-16	*9278331500	CHASSIS OS.	
3-17	9278331600	ASSY SUB REEL L	
3-18	9278331700	SOLENOID	
3-20	*9278331900	ARM RVS	
3-21	9278332000	GEAR FF	
3-22	*9278332100	ASSY ARM FR	
3-23	9278332200	ASSY PULLEY FR	
3-24	9278332300	BELT FR	
3-25	9278332400	METAL	
3-26	*9278332500	ASSY FLYWHEEL L	
3-27	*9278332600	METAL	
3-28	9278332700	ARM BRAKE	
3-29	9278332800	ASSY SUB REEL R	
3-30	9278332900	ARM TRIGER	
3-31	9278333000	GEAR CAM	
3-32	*9278333100	METAL	
3-33	9278333200	ASSY FLYWHEEL R	
3-34	*9278333300	METAL	
3-36	*9278333500	HOLER WIRE	
3-37	*9278333600	P.C.BOARD	
3-38	*9278333700	SWITCH MODE	
3-39	*9278333800	SWITCH LEAF	
3-40	*9278333900	HALL IC.	
3-41	*9278334000	BRACKET FW	
3-43	9278334100	ASSY MOTOR	
3-45	9278334300	BELT MAIN	
3-46	*9278334400	P.C.BOARD	
3-47	*9278334500	HOUSING	
3-61	*9278334600	SPRING	
3-62	*9278334700	SPRING	
3-63	*9278334800	SPRING	
3-64	9278334900	SPRING	
3-65	*9278335000	SPRING	
3-66	*9278335100	SPRING	
3-67	*9278335200	SPRING	
3-68	9278335300	SPRING	
3-69	*9278335400	SPRING	
3-70	*9278335500	SPRING	
3-71	*9278335600	SPRING	
3-72	9278335700	SPRING	
3-73	*9278335800	SPRING	
3-81	*9278335900	SCREW	
3-82	*9278336000	SCREW	
3-83	*9278336100	SCREW	
3-84	*9278336200	SCREW	
3-85	*9278336300	SCREW	
3-86	*9278336400	SCREW	
3-87	*9278154700	SCREW	
3-91	*9278336600	WASHER	
3-92	9278336700	WASHER	

6 PC BOARDS AND PARTS LIST

基板図とパーツリスト

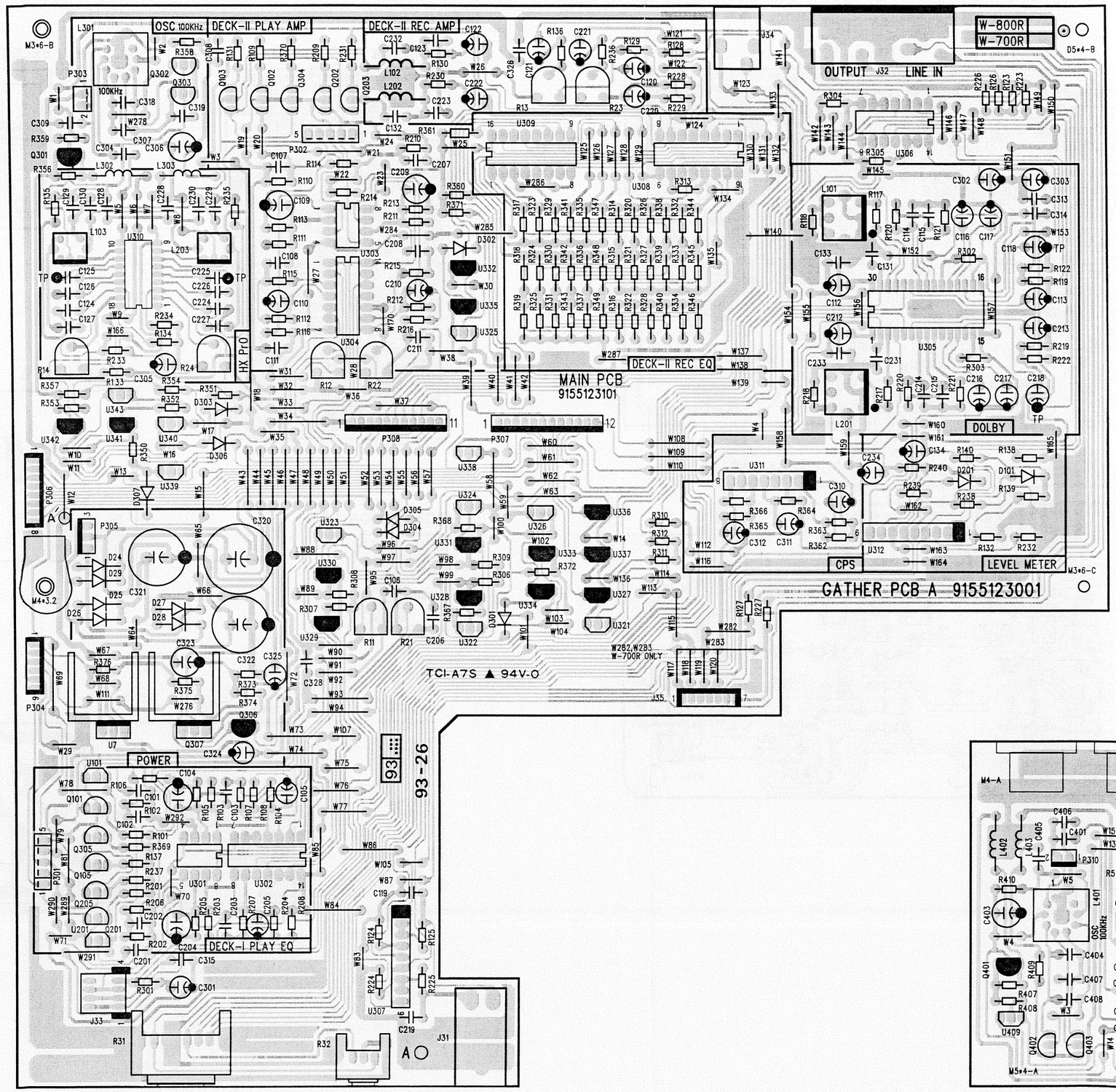
MAIN PCB ASSY [W-800R]

REF.NO.		PARTS NO.	DESCRIPTION
		*9145123102	MAIN PCB ASSY (W-800R)
		*9155123101	MAIN PCB
		9781801000	NUT, M9
		9294005900	WASHER, 9.1
		*9260069800	HEAT SINK
		9783213008	SCREW, BTT-B M3X8
		9229021000	EARTH PLATE (A)
C320	⚠	9117302000	C, ELEC 3300UF/16V
C321	⚠	9117258000	C, ELEC 1000UF/16V
C322	⚠	9117273510	C, ELEC 2200UF/16V
D 24- 29	⚠	9165020550	DIODE, 1N4003
D101,201		9165022150	DIODE, 1SS133T
D301-307		9165022150	DIODE, 1SS133T
J 31		9143327000	PHONE JACK
J 32		9143188000	PIN JACK, 4P
J 33		5336347400	CONNECTOR SOCKET
J 34		9143312000	MINIATURE JACK
J 35		9143337000	CONNECTOR PLUG, 7P
L101,201		9122019400	LOW-PASS FILTER, MPX
L102,202		9122019300	COIL, 22MH
L103,203		9173007700	COIL, STEP UP
L301		9173008200	COIL, OSC 100KHZ
L302,303		9173006350	COIL, 220UH
P304		9143329000	CONNECTOR PLUG, 6P
P305		9143171000	CONNECTOR PLUG, 3P
P306		9143325000	CONNECTOR PLUG, 8P
P307		9143240000	CONNECTOR PLUG, 12P
P308		9143239000	CONNECTOR PLUG, 11P
Q101,201		9163309420	TR, 2SC1815GR
Q102,202		9163309420	TR, 2SC1815GR
Q103,203		9163311520	TR, 2SC2240GR
Q105,205		9163311520	TR, 2SC2240GR
Q301		9163009920	TR, 2SA1015GR
Q302,303		9163309420	TR, 2SC1815GR
Q304,305		9163311520	TR, 2SC2240GR
Q307	⚠	5220432900	IC, M5F79M07L
R 11, 21		9112059810	VR, SEMI-FIXED 10K(B)
R 12, 22		9112059810	VR, SEMI-FIXED 10K(B)
R 13, 23		9112057010	VR, SEMI-FIXED 22K(B)
R 14, 24		9112059810	VR, SEMI-FIXED 10K(B)
R 31		9172021700	VR, 50KAX2
R 32		9172021300	VR, 100KWX1
U 7	⚠	5220432200	IC, M5F78M07L
U101,201		9163310420	TR, DTC124ES
U301,303		9167014000	IC, UPC4570C
U302,304		9167009800	IC, TC4066BP
U305		9167019200	IC, CXA1331S
U306		9167009800	IC, TC4066BP
U307		9167012100	IC, NJM4558S
U308		9167019600	IC, CXA1198AP
U309		9167018900	IC, BU4051B
U310		9167012800	IC, UPC1297CA
U311		5220426200	IC, M51143AL
U312		9167012100	IC, NJM4558S
U321-326		9163310420	TR, DTC124ES
U327-337		9163011220	TR, DTA124ES
U338-340		9163310420	TR, DTC124ES
U341,342		9163011220	TR, DTA124ES
U343		9163310420	TR, DTC124ES

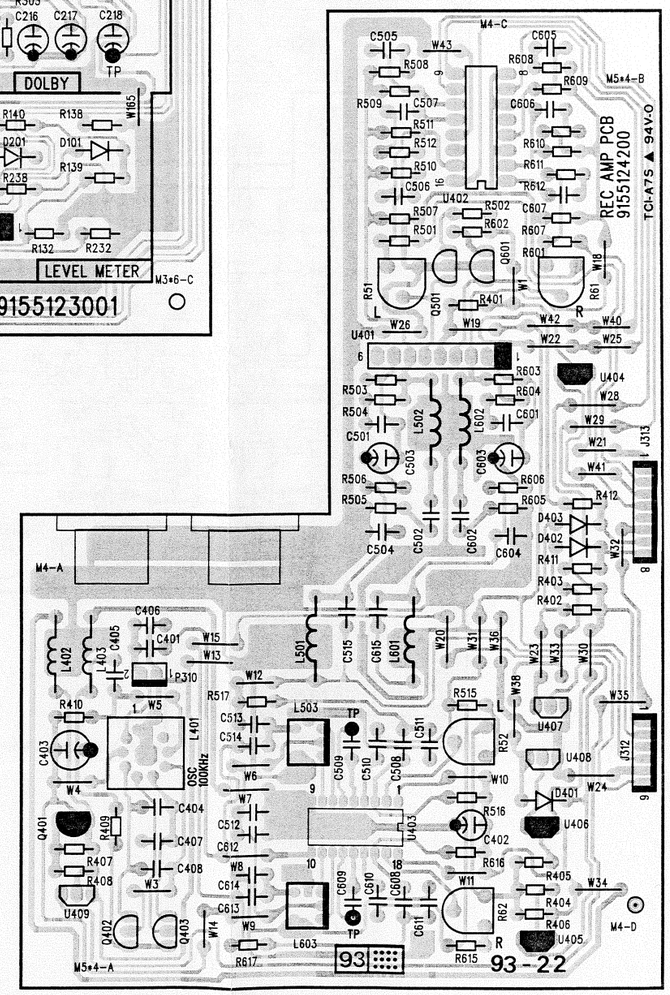
MAIN PCB ASSY [W-700R]

REF.NO.		PARTS NO.	DESCRIPTION
		*9145123113	MAIN PCB ASSY (W-700R)
		*9155123101	MAIN PCB
		9781801000	NUT, M9
		9294005900	WASHER, 9.1
		*9260069800	HEAT SINK
		9783213008	SCREW, BTT-B M3X8
		9229021000	EARTH PLATE (A)
C320	⚠	9117302000	C, ELEC 3300UF/16V
C321	⚠	9117258000	C, ELEC 1000UF/16V
C322	⚠	9117273510	C, ELEC 2200UF/16V
D 24- 29	⚠	9165020550	DIODE, 1N4003
D101,201		9165022150	DIODE, 1SS133T
D302-307		9165022150	DIODE, 1SS133T
J 31		9143327000	PHONE JACK
J 32		9143188000	PIN JACK, 4P
J 33		5336347400	CONNECTOR SOCKET
J 34		9143312000	MINIATURE JACK
L101,201		9122019400	LOW-PASS FILTER, MPX
L102,202		9122019300	COIL, 22MH
L103,203		9173007700	COIL, STEP UP
L301		9173008200	COIL, OSC 100KHZ
L302,303		9173006350	COIL, 220UH
P305		9143171000	CONNECTOR PLUG, 3P
P307		9143240000	CONNECTOR PLUG, 12P
P308		9143239000	CONNECTOR PLUG, 11P
Q102,202		9163309420	TR, 2SC1815GR
Q103,203		9163311520	TR, 2SC2240GR
Q301		9163009920	TR, 2SA1015GR
Q302,303		9163309420	TR, 2SC1815GR
Q304		9163311520	TR, 2SC2240GR
Q307	⚠	5220432900	IC, M5F79M07L
R 11, 21		9112059810	VR, SEMI-FIXED 10K(B)
R 12, 22		9112059810	VR, SEMI-FIXED 10K(B)
R 13, 23		9112057010	VR, SEMI-FIXED 22K(B)
R 14, 24		9112059810	VR, SEMI-FIXED 10K(B)
R 31		9172021700	VR, 50KAX2
R 32		9172021300	VR, 100KWX1
U 7	⚠	5220432200	IC, M5F78M07L
U101,201		9163310420	TR, DTC124ES
U301,303		9167014000	IC, UPC4570C
U302,304		9167009800	IC, TC4066BP
U305		9167019200	IC, CXA1331S
U306		9167009800	IC, TC4066BP
U307		9167012100	IC, NJM4558S
U308		9167019600	IC, CXA1198AP
U309		9167018900	IC, BU4051B
U310		9167012800	IC, UPC1297CA
U312		9167012100	IC, NJM4558S
U321-325		9163310420	TR, DTC124ES
U327-332		9163011220	TR, DTA124ES
U335-337		9163011220	TR, DTA124ES
U338-340		9163310420	TR, DTC124ES
U341,342		9163011220	TR, DTA124ES
U343		9163310420	TR, DTC124ES

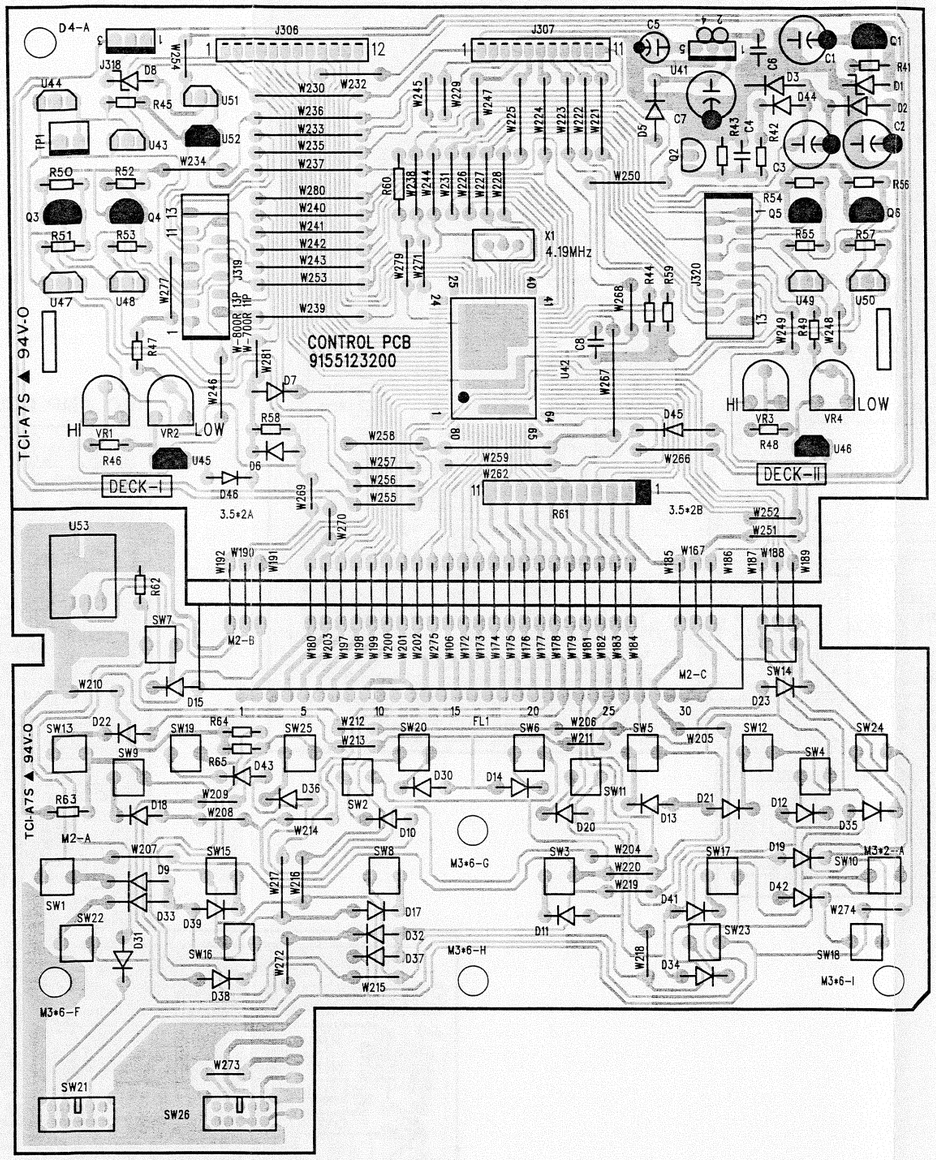
MAIN PCB



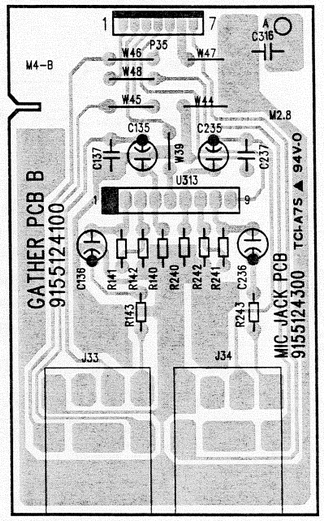
REC AMP PCB



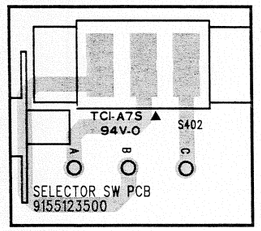
CONTROL PCB



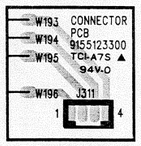
MIC JACK PCB



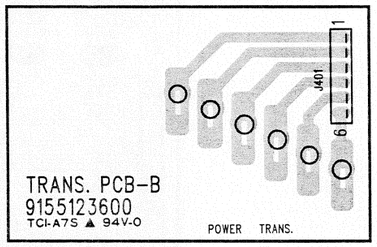
SELECTOR SW PCB



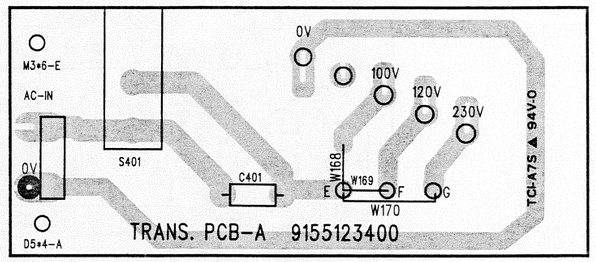
CONNECTOR PCB



TRANS. PCB B



TRANS. PCB A



REC AMP PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123800	REC AMP PCB ASSY
	*9155123800	REC AMP PCB
D401-403	9165022150	DIODE, ISS133T
J312	9143334000	CONNECTOR SOCKET, 6P
J313	9143324000	CONNECTOR PLUG, 8P
L401	9173008200	COIL, OSC 100KHZ
L402,403	9173006350	COIL, 220UH
L501,601	9122019300	COIL, 22MH
L502,602	9122018910	COIL, 8.2MH
L503,603	9173007700	COIL, STEP UP
P310	9143170000	CONNECTOR PLUG, 2P
Q401	9163009920	TR, 2SA1015GR
Q402,403	9163309420	TR, 2SC1815GR
Q501,601	9163310620	TR, 2SC2878A
R 51, 61	9112057010	VR, SEMI-FIXED 22K(B)
R 52, 62	9112059810	VR, SEMI-FIXED 10K(B)
U401	9167012100	IC, NJM4558S
U402	9167019800	IC, BU4052B
U403	9167012800	IC, UPC1297CA
U404-406	9163011220	TR, DTA124ES
U407-409	9163310420	TR, DTC124ES

CONTROL PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123201	CONTROL PCB ASSY (W-800R)
	*9155123200	CONTROL PCB
	*9260184201	FL SPACER, L
	*9260185201	FL SPACER, R
D 1	9166051550	DIODE, ZENER MTZJ27B
D 2, 3	⚠ 9165020550	DIODE, 1N4003
D 5	9165020550	DIODE, 1N4003
D 6, 7	9165022150	DIODE, ISS133T
D 8	9166051650	DIODE, ZENER MTZJ3.9B
D 9- 15	9165022150	DIODE, ISS133T
D 17- 23	9165022150	DIODE, ISS133T
D 30- 39	9165022150	DIODE, ISS133T
D 41- 46	9165022150	DIODE, ISS133T
FL 1	9174015700	FL DISPLAY, BJ-185GKB
J318	9143171000	CONNECTOR PLUG, 3P
J319,320	9143333000	WIRE CONNECTOR, 13P
Q 1	⚠ 9163009920	TR, 2SA1015GR
Q 2	9163309420	TR, 2SC1815GR
Q 3- 6	9163011620	TR, 2SA1020Y
R 61	9111252000	RESISTOR ARRAY, 100KX10
SW 1- 20	9136001820	SW, TACT
SW21, 26	9135033200	SW, SLIDE
SW22- 25	9136001820	SW, TACT
TP 1	9160013000	TP PIN, 2P
U 41	9167018500	IC, L78LR05D-MA
U 42	9167023600	IC, UPD78042GF-046
U 43, 44	9163310420	TR, DTC124ES
U 45, 46	9163011220	TR, DTA124ES
U 47- 51	9163310420	TR, DTC124ES
U 52	9163011220	TR, DTA124ES
U 53	5292211000	REMOTE CONT. MODULE
VR 1- 4	9112059910	VR, SEMI-FIXED 2.2K(B)
X 1	5347017700	OSC, CERAMIC

CONTROL PCB ASSY [W-700R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123211	CONTROL PCB ASSY (W-700R)
	*9155123200	CONTROL PCB
	*9260184201	FL SPACER, L
	*9260185201	FL SPACER, R
D 1	9166051550	DIODE, ZENER MTZJ27B
D 2, 3	⚠ 9165020550	DIODE, 1N4003
D 5	9165020550	DIODE, 1N4003
D 6, 7	9165022150	DIODE, ISS133T
D 8	9166051650	DIODE, ZENER MTZJ3.9B
D 9- 13	9165022150	DIODE, ISS133T
D 15	9165022150	DIODE, ISS133T
D 17- 21	9165022150	DIODE, ISS133T
D 23	9165022150	DIODE, ISS133T
D 34- 36	9165022150	DIODE, ISS133T
D 39	9165022150	DIODE, ISS133T
D 41- 46	9165022150	DIODE, ISS133T
FL 1	9174015700	FL DISPLAY, BJ-185GKB
J318	9143171000	CONNECTOR PLUG, 3P
J319	9143332000	WIRE CONNECTOR, 11P
J320	9143333000	WIRE CONNECTOR, 13P
Q 1	⚠ 9163009920	TR, 2SA1015GR
Q 2	9163309420	TR, 2SC1815GR
Q 3- 6	9163011620	TR, 2SA1020Y
R 61	9111252000	RESISTOR ARRAY, 100KX10
SW 1- 5	9136001820	SW, TACT
SW 7- 12	9136001820	SW, TACT
SW14, 15	9136001820	SW, TACT
SW17- 19	9136001820	SW, TACT
SW21, 26	9135033200	SW, SLIDE
SW23- 25	9136001820	SW, TACT
TP 1	9160013000	TP PIN, 2P
U 41	9167018500	IC, L78LR05D-MA
U 42	9167023600	IC, UPD78042GF-046
U 43, 44	9163310420	TR, DTC124ES
U 45, 46	9163011220	TR, DTA124ES
U 47- 51	9163310420	TR, DTC124ES
U 52	9163011220	TR, DTA124ES
U 53	5292211000	REMOTE CONT. MODULE
VR 1- 4	9112059910	VR, SEMI-FIXED 2.2K(B)
X 1	5347017700	OSC, CERAMIC

MIC JACK PCB ASSY [W-800R]

REF.NO.	PARTS NO.	DESCRIPTION
	*9145124300	MIC JACK PCB ASSY
	*9155124300	MIC JACK PCB
J 33, 34	9143281010	MIC JACK
P 35	9143335000	CONNECTOR SOCKET, 7P
U313	9167012100	IC, NJM4558S

CONNECTOR PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123300	CONNECTOR PCB ASSY
	*9155123300	CONNECTOR PCB
J311	5336349400	CONNECTOR PLUG, 4P

SELECTOR SW PCB ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123500	SELECTOR SW PCB ASSY [GE]
	*9155123500	SELECTOR SW PCB
	⚠ 9134010700	SW, AC SELECTOR

TRANS. PCB B ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123600	TRANS PCB B ASSY
	*9155123600	TRANS PCB B

TRANS. PCB A ASSY

REF.NO.	PARTS NO.	DESCRIPTION
	*9145123400	TRANS PCB A ASSY [US,C]
	*9145123410	TRANS PCB A ASSY [E,UK,A]
	*9145123420	TRANS PCB A ASSY [GE]
	*9145123430	TRANS PCB A ASSY [J]
	*9155123400	TRANS PCB A
	5327009600	TERMINAL LAPPING,2P[E,UK,A]
C401	⚠ 9120000100	SPARK KILLER 0.0047UF/250V
S401	⚠ 9135028900	SW, POWER

MEMO

W-800R/W-700R

TEAC®

ティアック株式会社

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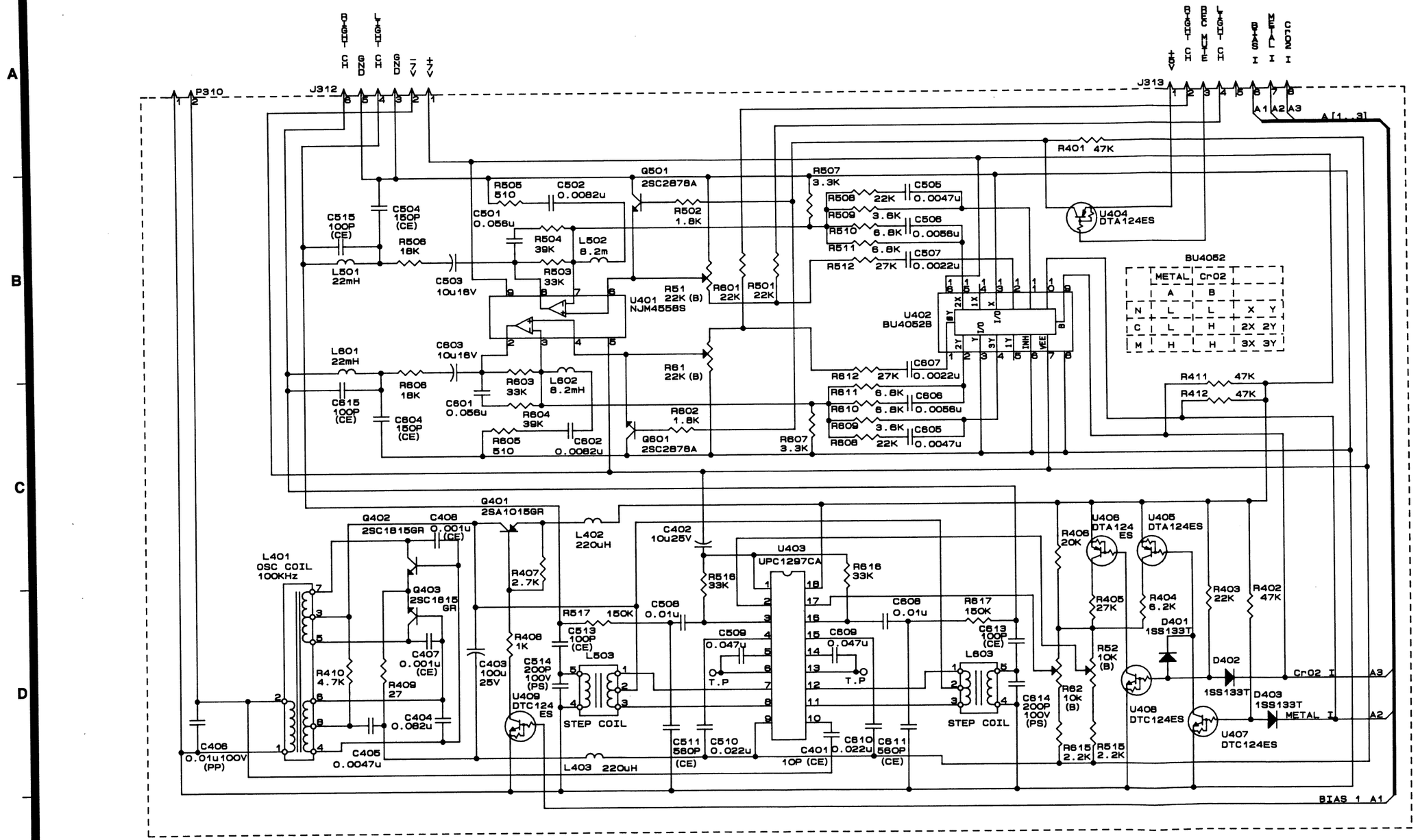


INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES:

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

注意

1. 抵抗の単位はΩ（k＝kΩ，M＝MΩ）です。
2. コンデンサの単位はμF（p＝pF）です。
3. ⚠マークのある部品は安全規格重要部品です。
   交換するときは必ずティアック指定の部品を使用してください。

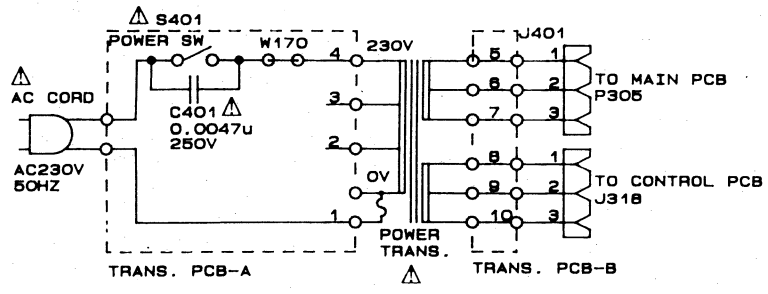
W-800R

Double Auto Reverse Cassette Deck

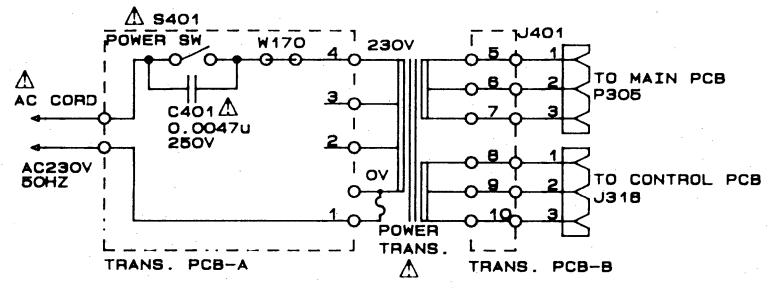
1 st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-700R CONTROL SECTION

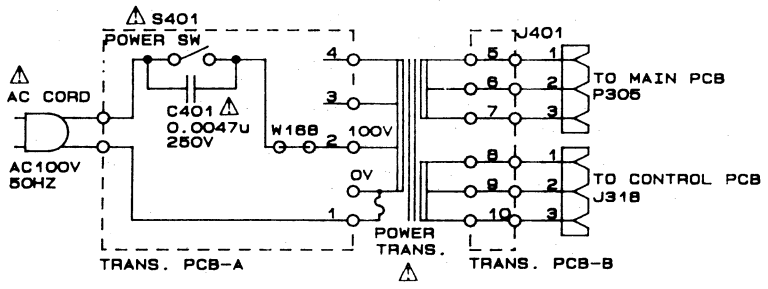
EUR, AUS



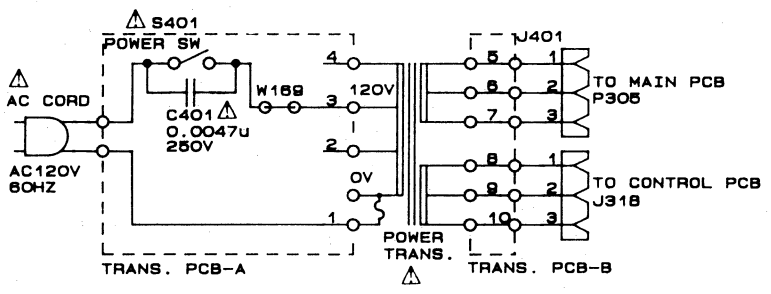
UK



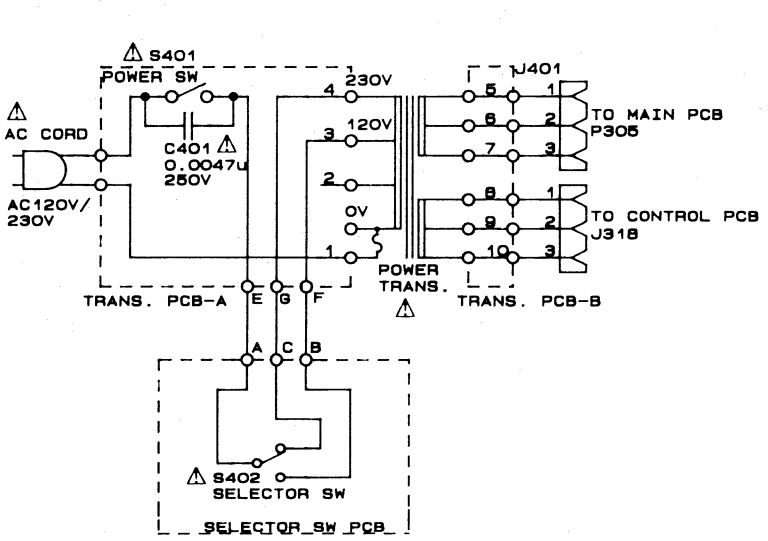
JPN



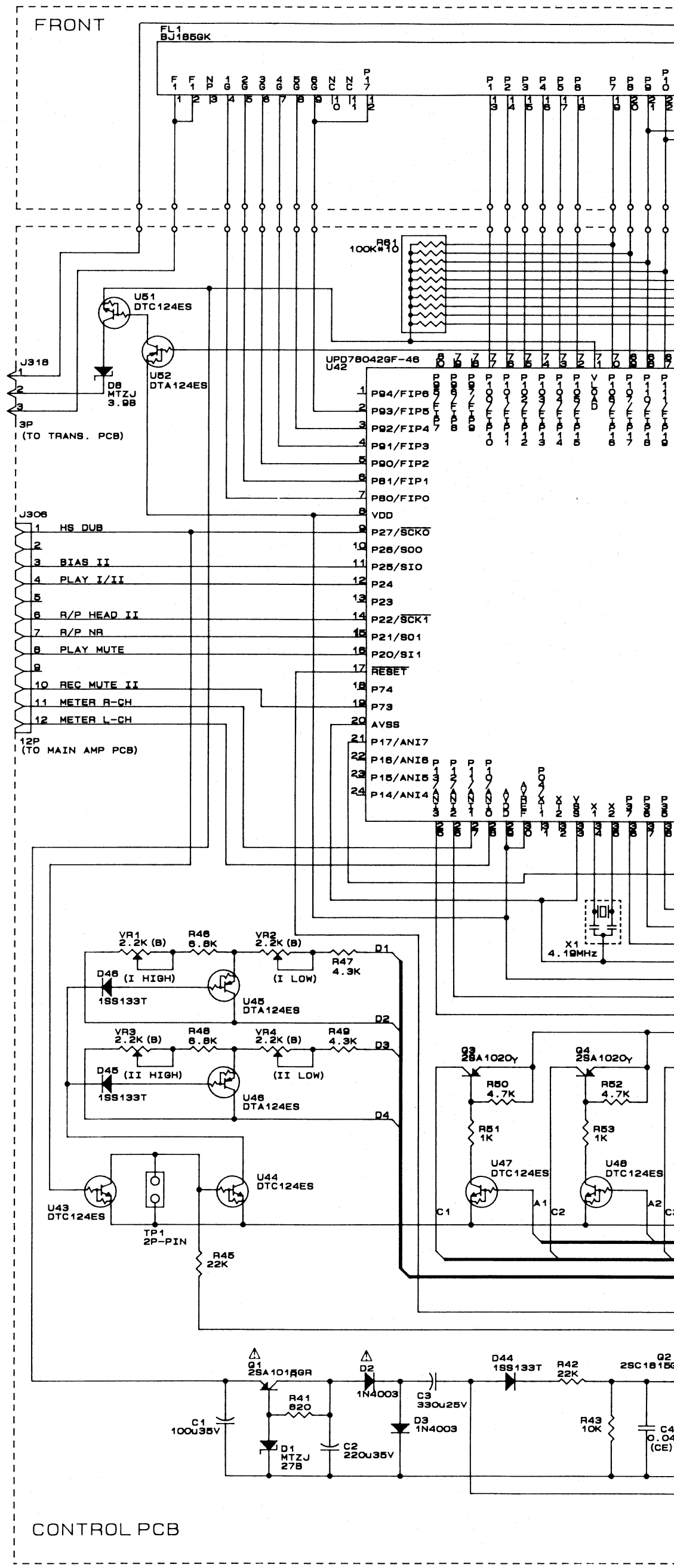
USA, CND



EX



FRONT



CONTROL PCB

INSTRUCTIONS FOR SERVICE PERSONNEL

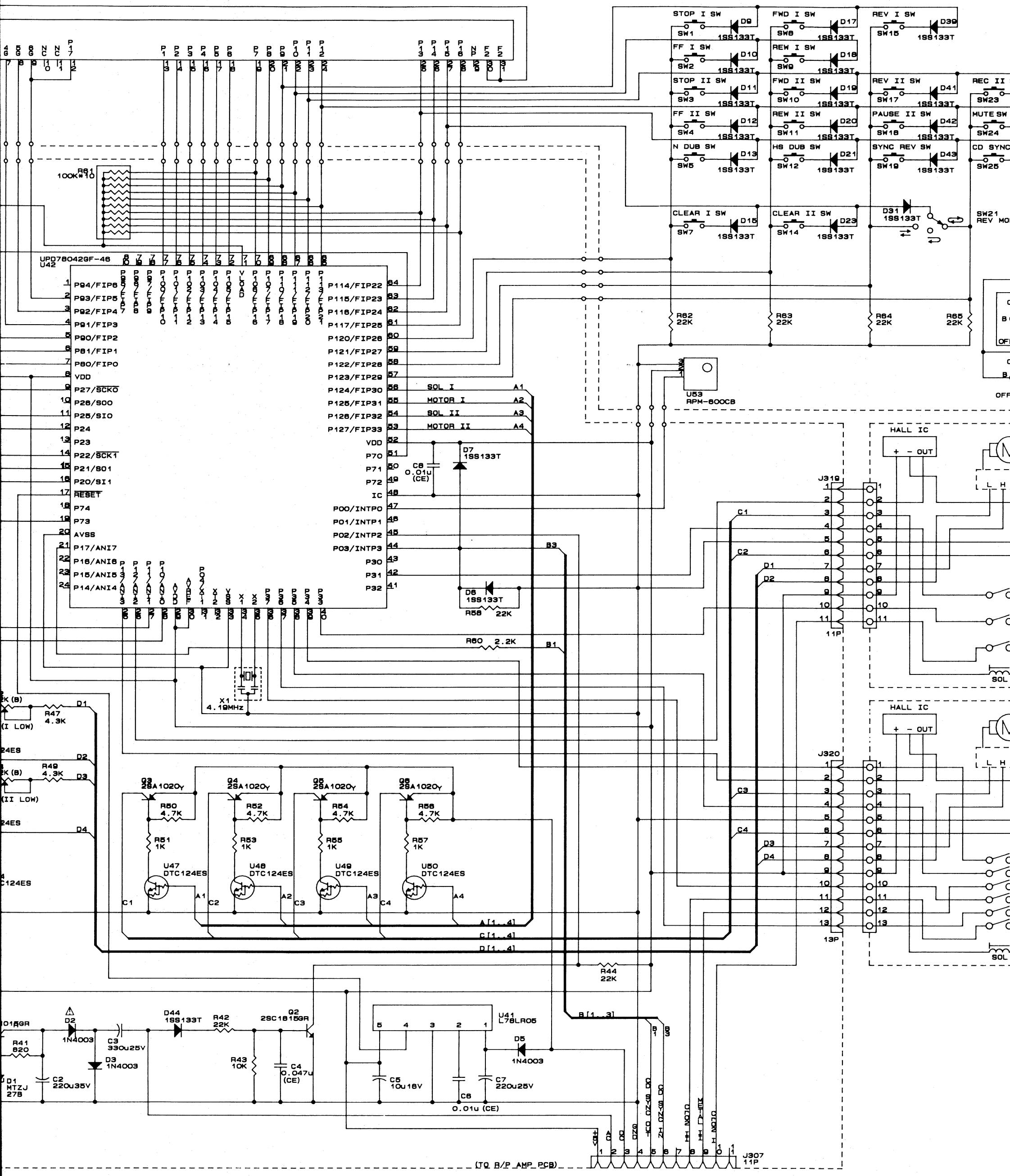
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

NOTES:

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.

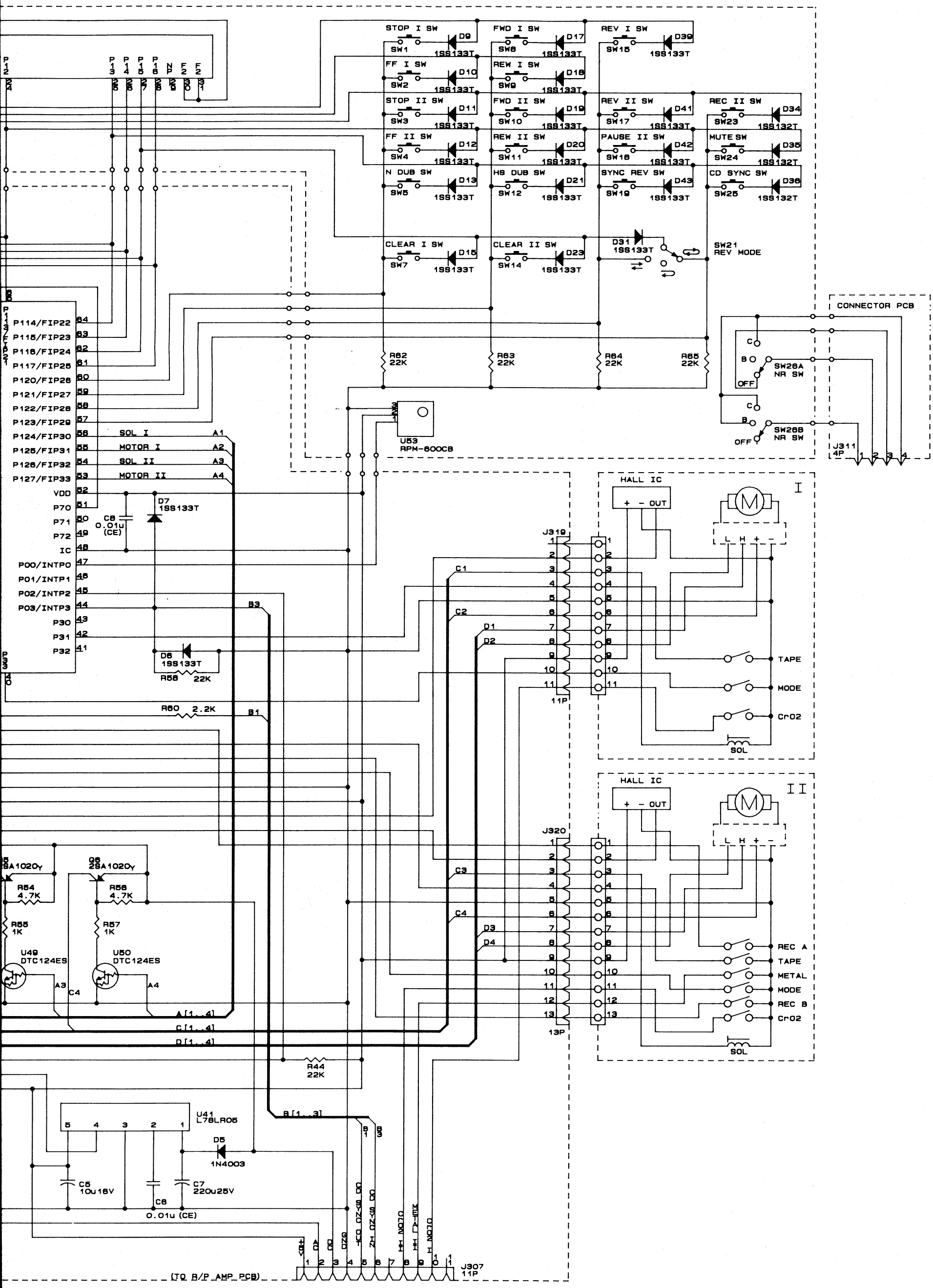
注意

1. 抵抗の単位はΩ（k＝kΩ, M＝MΩ）です。
2. コンデンサの単位はμF（p＝pF）です。
3. ⚠マークのある部品は安全規格重要部品です。
交換するときは必ずティアック指定の部品を使用してください。



注意
1. 抵抗の単位はΩ（k＝kΩ, M＝MΩ）です。
2. コンデンサの単位はμF（p＝pF）です。
3. ⚠マークのある部品は安全規格重要部品です。
交換するときは必ずティアック指定の部品を使用してください。

Double Auto

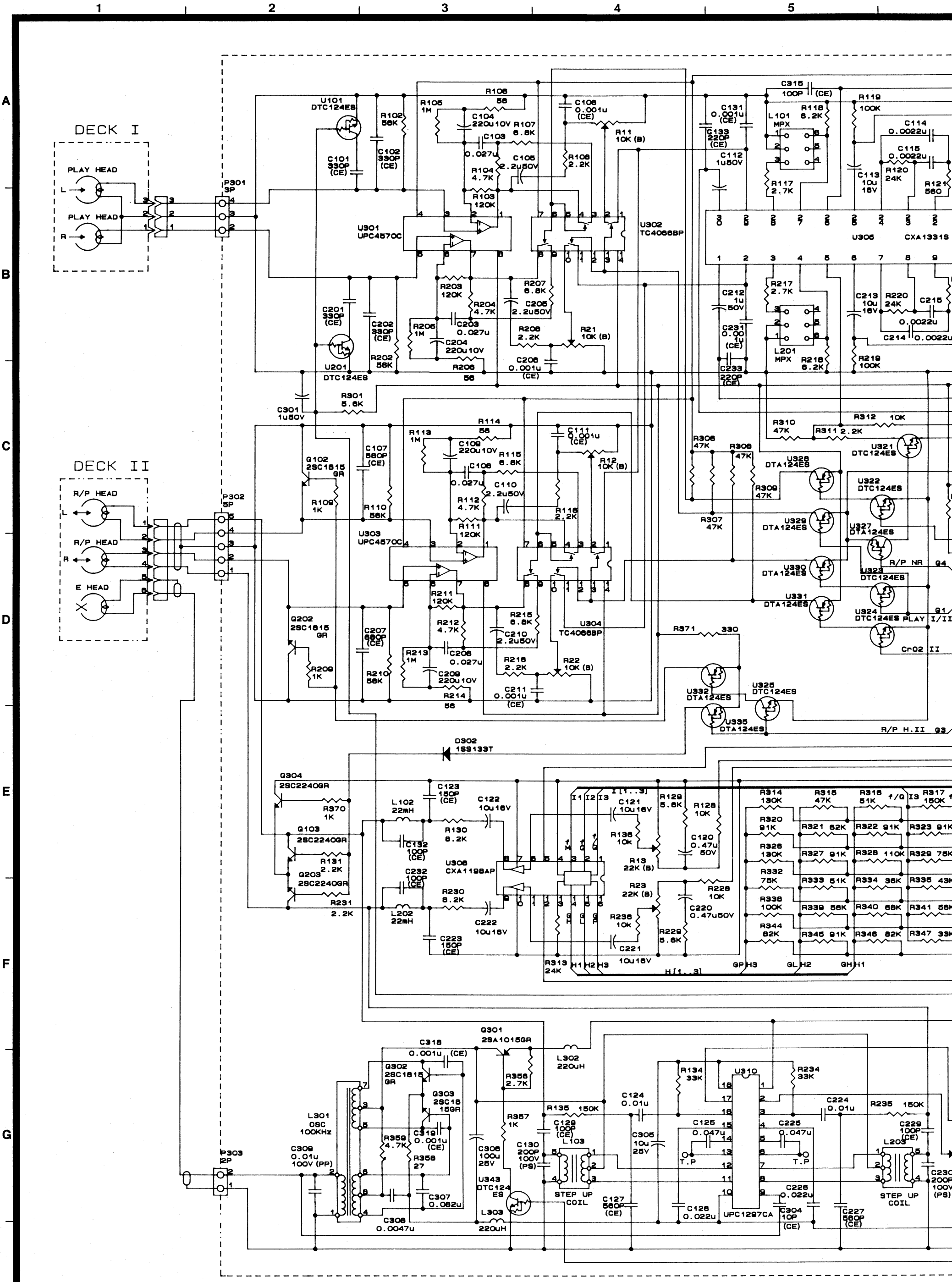


W-700R

Double Auto Reverse Cassette Deck

1 st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-700R R/P AMP SECTION



INSTRUCTIONS FOR SERVICE PERSONNEL

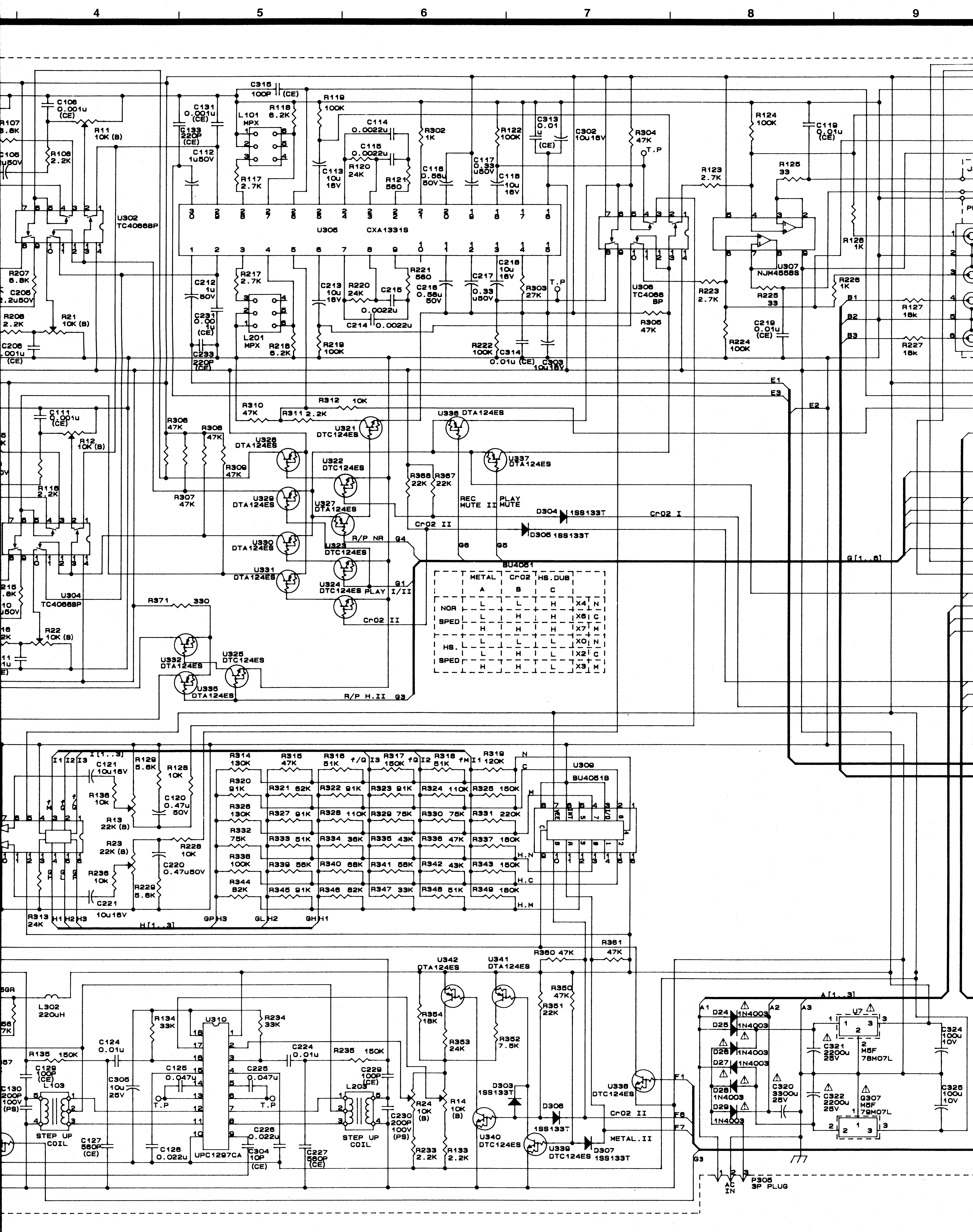
BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

注意

1. 抵抗の単位はΩ（k＝kΩ，M＝MΩ）です。
2. コンデンサの単位はμF（p＝pF）です。
3. ⚠マークのある部品は安全規格重要部品です。交換するときは必ずティアック指定の部品を使用してください。

NOTES:

1. Resistor values are in ohms (k=kilo-ohms, M=megohms).
2. Capacitor values are in microfarads (p=picofarads).
3. ⚠ Parts marked with this sign are safety critical components. They must always be replaced with identical components-refer to the appropriate parts list and ensure exact replacement.


4
5
6
7
8
9
U302 TC4066BP
U305 CXA1331S
U306 TC4066 BP
U307 NJM4558S
U304 TC4066BP
U309 BU4051B
U310 UPC1297CA
L101 MPX
L201 MPX
C315 100P (CE)
R119 100K
R118 6.2K
C131 0.001u (CE)
C133 220P (CE)
C112 1u50V
R117 2.7K
C114 0.0022u
C115 0.0022u
R120 24K
R121 560
C113 10u 16V
R302 1K
C116 0.56u 50V
C117 0.33 u50V
C118 10u 16V
R122 100K
C313 0.01 u (CE)
C302 10u16V
R304 47K
T.P
R123 2.7K
R124 100K
C119 0.01u (CE)
R125 33
R126 1K
R226 1K
R223 2.7K
R225 33
R224 100K
C219 0.01u (CE)
R127 18k
R227 18k
B1
B2
B3
C106 0.001u (CE)
R107 6.8K
R108 2.2K
R11 10K (B)
R207 6.8K
C205 2.2u50V
R208 2.2K
R21 10K (B)
C206 0.001u (CE)
C212 1u 50V
C231 0.001u (CE)
C233 220P (CE)
R217 2.7K
R218 6.2K
C213 10u 16V
R220 24K
C215 0.0022u
C214 0.0022u
R219 100K
R221 560
C216 0.56u 50V
C217 0.33 u50V
C218 10u 16V
R303 27K
R222 100K
C314 0.01u (CE)
C303 10u16V
R305 47K
E1
E2
E3
C111 0.001u (CE)
R12 10K (B)
R116 2.2K
R22 10K (B)
R310 47K
R311 2.2K
R312 10K
R306 47K
R308 47K
R309 47K
R307 47K
U321 DTC124ES
U322 DTC124ES
U323 DTC124ES
U324 DTC124ES
U325 DTC124ES
U327 DTA124ES
U328 DTA124ES
U329 DTA124ES
U330 DTA124ES
U331 DTA124ES
U332 DTA124ES
U335 DTA124ES
U336 DTA124ES
U337 DTA124ES
R368 22K
R367 22K
REC MUTE II
PLAY MUTE
D304 1SS133T
D305 1SS133T
CrO2 I
CrO2 II
R/P NR G4
PLAY I/II G1
R/P H.II G3
G6
G5
G[1..6]
R371 330
BU4051
METAL A
CrO2 B
HS.DUB C
NOR SPED
HS. SPED
L L H X4 N
L H H X6 C
H H H X7 M
L L L X0 N
L H L X2 C
H H L X3 M
I[1..3]
C121 10u16V
R136 10K
R13 22K (B)
R129 5.6K
R128 10K
C120 0.47u 50V
R23 22K (B)
R228 10K
C220 0.47u50V
R236 10K
R229 5.6K
C221 10u16V
R313 24K
H1 H2 H3
H[1..3]
GP GL GH
R314 130K
R315 47K
R316 51K f/Q
R317 150K fQ
R318 51K fM
R319 120K
R320 91K
R321 62K
R322 91K
R323 91K
R324 110K
R325 150K
R326 130K
R327 91K
R328 110K
R329 75K
R330 75K
R331 220K
R332 75K
R333 51K
R334 36K
R335 43K
R336 47K
R337 180K
R338 100K
R339 56K
R340 68K
R341 56K
R342 43K
R343 150K
R344 82K
R345 91K
R346 82K
R347 33K
R348 51K
R349 180K
N C M
H.N H.C H.M
VEE
INT
I/O
R360 47K
R361 47K
U341 DTA124ES
U342 DTA124ES
R354 18K
R353 24K
R350 47K
R351 22K
R352 7.5K
D303 1SS133T
D306 1SS133T
D307 1SS133T
U338 DTC124ES
U339 DTC124ES
U340 DTC124ES
CrO2 II
METAL.II
F1 F6 F7
L302 220uH
R135 150K
C129 100P (CE)
C130 200P 100V (PS)
L103
STEP UP COIL
C127 560P (CE)
C124 0.01u
C305 10u 25V
R134 33K
R234 33K
C125 0.047u
C225 0.047u
C126 0.022u
C226 0.022u
C304 10P (CE)
C224 0.01u
C227 560P (CE)
R235 150K
C229 100P (CE)
L203
C230 200P 100V (PS)
R24 10K (B)
R14 10K (B)
R233 2.2K
R133 2.2K
A[1..3]
A1 A2 A3
D24 1N4003
D25 1N4003
D26 1N4003
D27 1N4003
D28 1N4003
D29 1N4003
U7 M5F 78M07L
Q307 M5F 79M07L
C320 3300u 25V
C321 2200u 25V
C322 2200u 25V
C324 100u 10V
C325 100u 10V
P305 3P PLUG
AC IN

M＝MΩ）です。
＝pF）です。
格重要部品です。
ク指定の部品を

NOTES:

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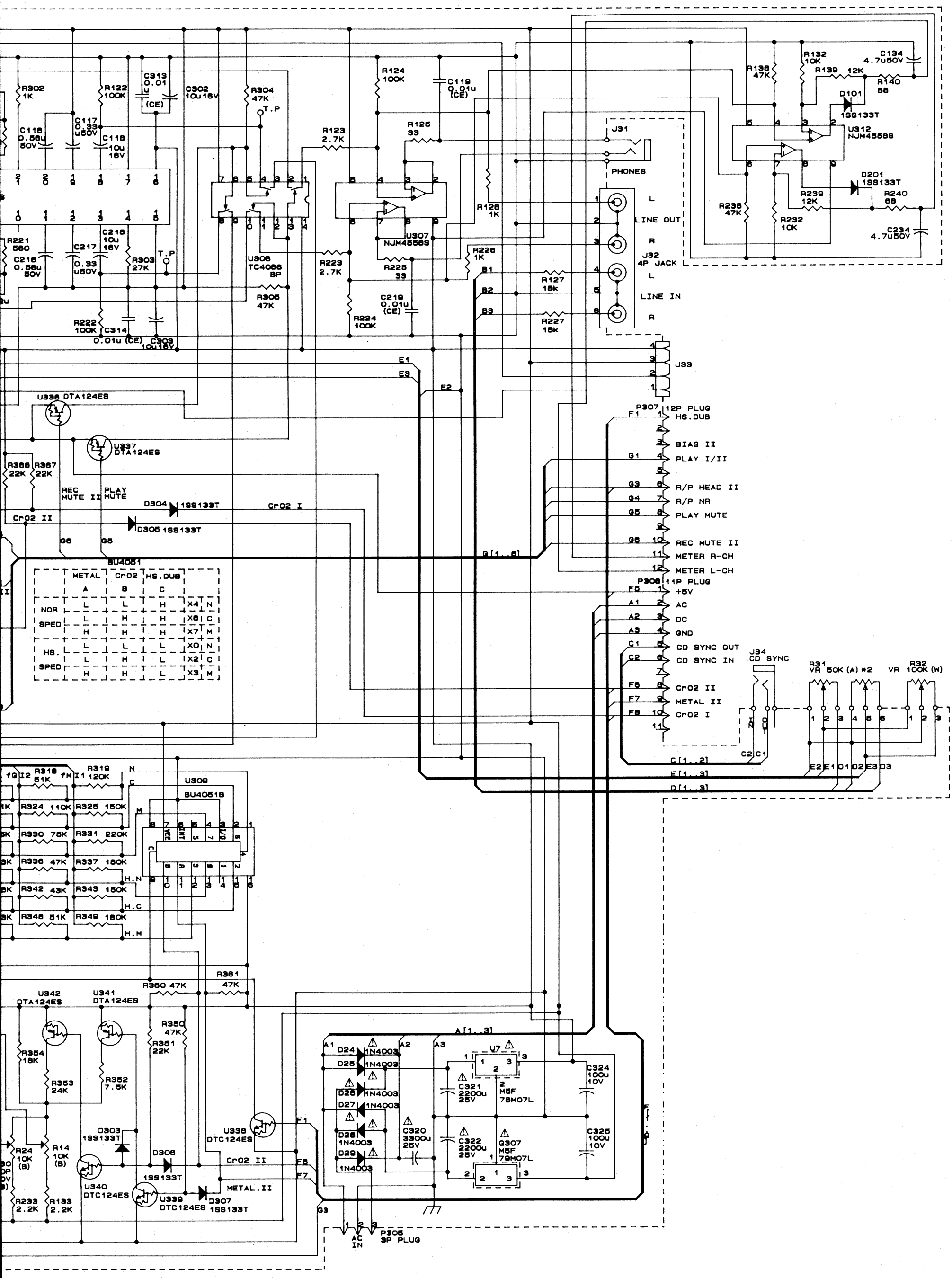


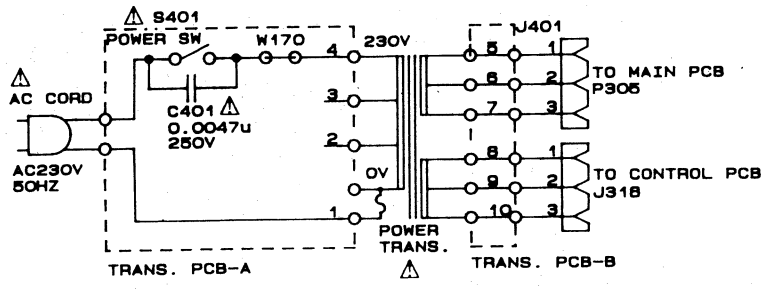
W-700R

Double Auto Reverse Cassette Deck

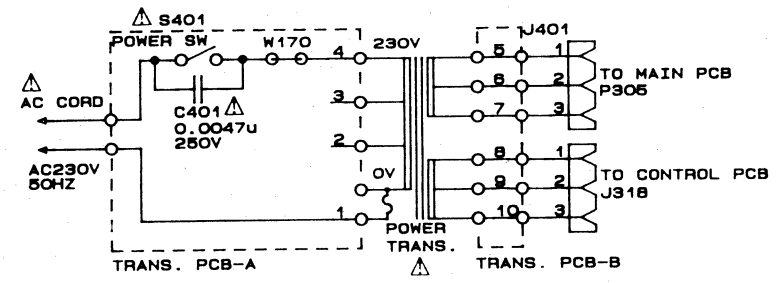
1 st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-800R CONTROL SECTION

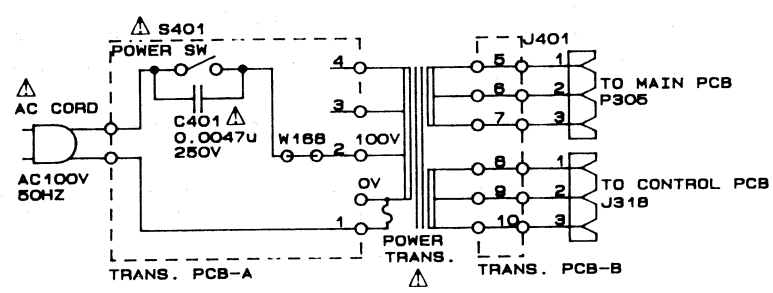
EUR, AUS



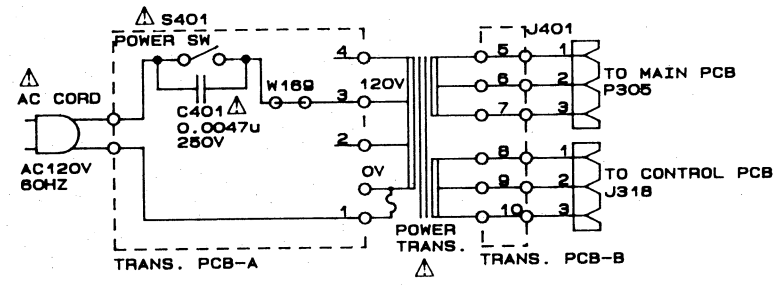
UK



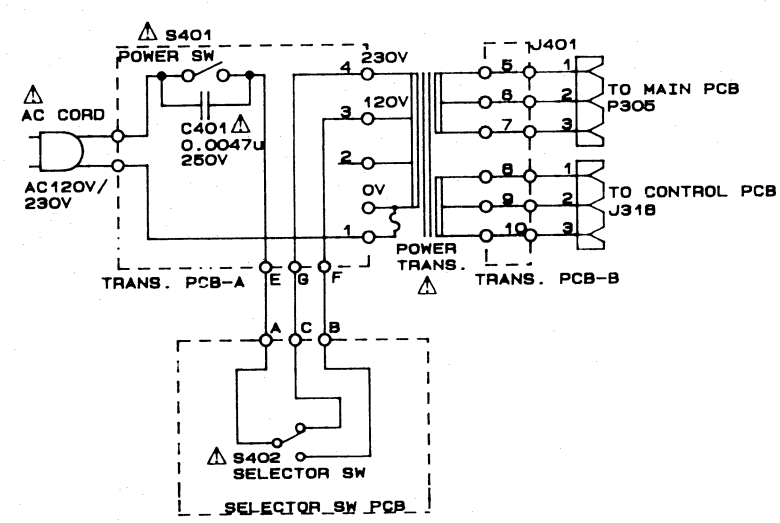
JPN



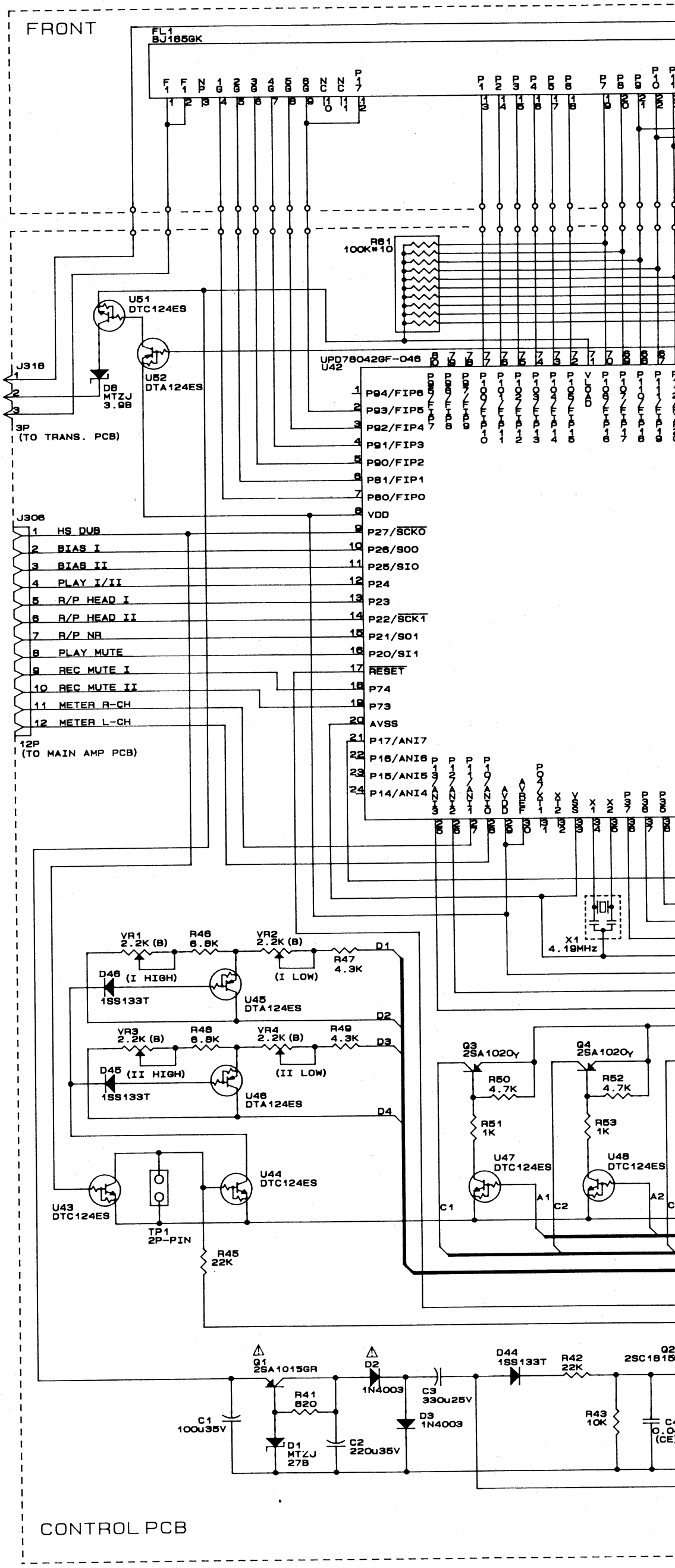
USA, CND



EX



FRONT



CONTROL PCB

INSTRUCTIONS FOR SERVICE PERSONNEL

BEFORE RETURNING APPLIANCE TO THE CUSTOMER, MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT.

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注意

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2. コンデンサの単位はμF（p＝pF）です。
3. ⚠マークのある部品は安全規格重要部品です。
   交換するときは必ずティアック指定の部品を使用してください。

FL1
BJ185GK

R61
100K*10

U51
DTC124ES

U52
DTA124ES

UPD78042GF-046
U42

P94/FIP6
P93/FIP5
P92/FIP4
P91/FIP3
P90/FIP2
P81/FIP1
P80/FIPO
VDD
P27/SCKO
P26/SOO
P25/SIO
P24
P23
P22/SCK1
P21/SO1
P20/SI1
RESET
P74
P73
AVSS
P17/ANI7
P16/ANI6
P15/ANI5
P14/ANI4

P114/FIP22
P115/FIP23
P116/FIP24
P117/FIP25
P120/FIP26
P121/FIP27
P122/FIP28
P123/FIP29
P124/FIP30
P125/FIP31
P126/FIP32
P127/FIP33
VDD
P70
P71
P72
IC
P00/INTP0
P01/INTP1
P02/INTP2
P03/INTP3
P30
P31
P32

SOL I
MOTOR I
SOL II
MOTOR II

R59 22K
D7 1SS133T
C8 0.01u (CE)
D6 1SS133T
R58 22K
R60 2.2K

X1
4.19MHz

STOP I SW SW1 D9 1SS133T
FWD I SW SW8 D17 1SS133T
REV I SW SW1
FF I SW SW2 D10 1SS133T
REW I SW SW9 D18 1SS133T
PAUS SW1
STOP II SW SW3 D11 1SS133T
FWD II SW SW10 D19 1SS133T
REV SW1
FF II SW SW4 D12 1SS133T
REW II SW SW11 D20 1SS133T
PAUS SW1
N DUB SW SW5 D13 1SS133T
HS DUB SW SW12 D21 1SS133T
SYNC SW1
PARA REC SW SW6 D14 1SS133T
INTRO CHECK SW SW13 D22 1SS133T
BLA SW2
CLEAR I SW SW7 D15 1SS133T
CLEAR II SW SW14 D23 1SS133T

R62 22K
R63 22K

U53
RPM-600CB

J319
13P

J320
13P

VR1 2.2K (B)
R46 6.8K
VR2 2.2K (B)
R47 4.3K
(I HIGH)
(I LOW)
U45 DTA124ES
D1
D2
VR3 2.2K (B)
R48 6.8K
VR4 2.2K (B)
R49 4.3K
D3
(II HIGH)
(II LOW)
U46 DTA124ES
D4

Q3 2SA1020Y
Q4 2SA1020Y
Q5 2SA1020Y
Q6 2SA1020Y
R50 4.7K
R52 4.7K
R54 4.7K
R56 4.7K
R51 1K
R53 1K
R55 1K
R57 1K
U47 DTC124ES
U48 DTC124ES
U49 DTC124ES
U50 DTC124ES
A1
A2
A3
A4
C1
C2
C3
C4

A[1..4]
C[1..4]
D[1..4]
B[1..3]

U44 DTC124ES
TP1 2P-PIN
R45 22K

R44 22K

Q1 2SA1015GR
D2 1N4003
C3 330u25V
D44 1SS133T
R42 22K
Q2 2SC1815GR
R41 820
D3 1N4003
C1 100u35V
D1 MTZJ 27B
C2 220u35V
R43 10K
C4 0.047u (CE)
U41 L78LR05
D5 1N4003
C5 10u16V
C6 0.01u (CE)
C7 220u25V

+5V
J307
11P
(TO R/P_AMP_PCB)

ROL PCB

n ohms (k=kilo-ohms, M=megohms).
in microfarads (p=picofarads).
this sign are safety critical components.
e replaced with identical components-refer
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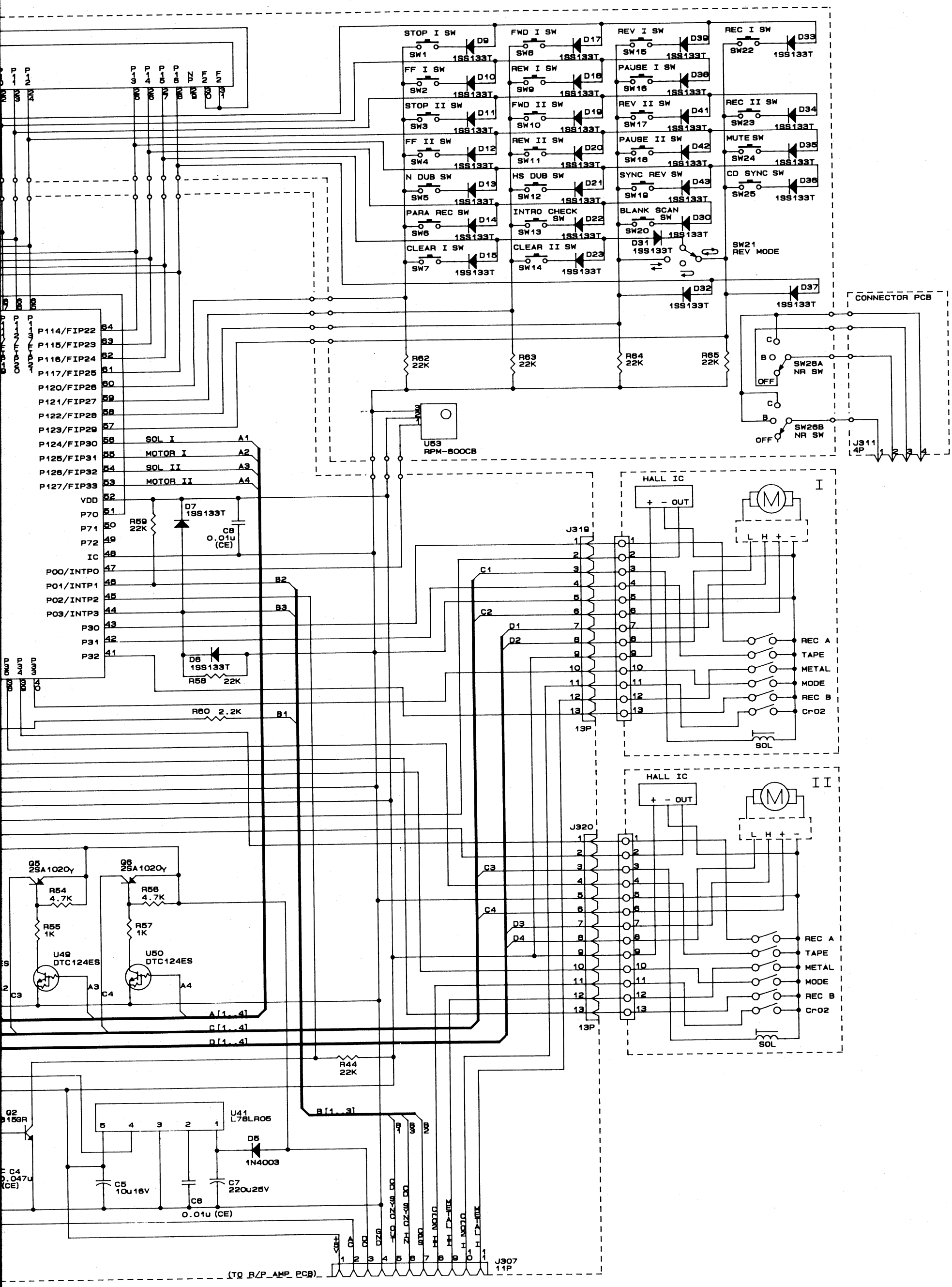
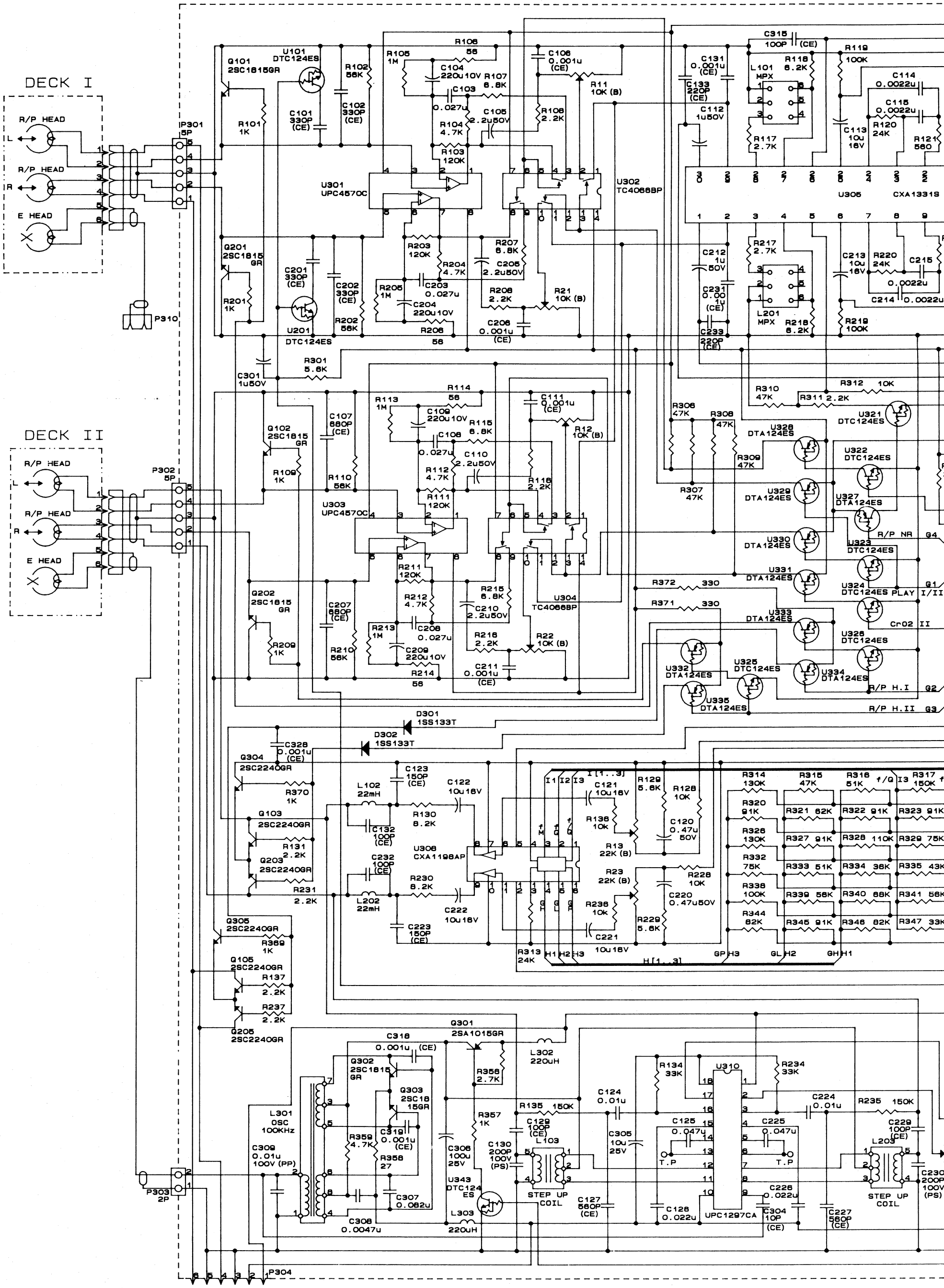


W-800R

Double Auto Reverse Cassette Deck

1 st Issue; September 1993

TEAC SCHEMATIC DIAGRAM W-800R R/P AMP SECTION



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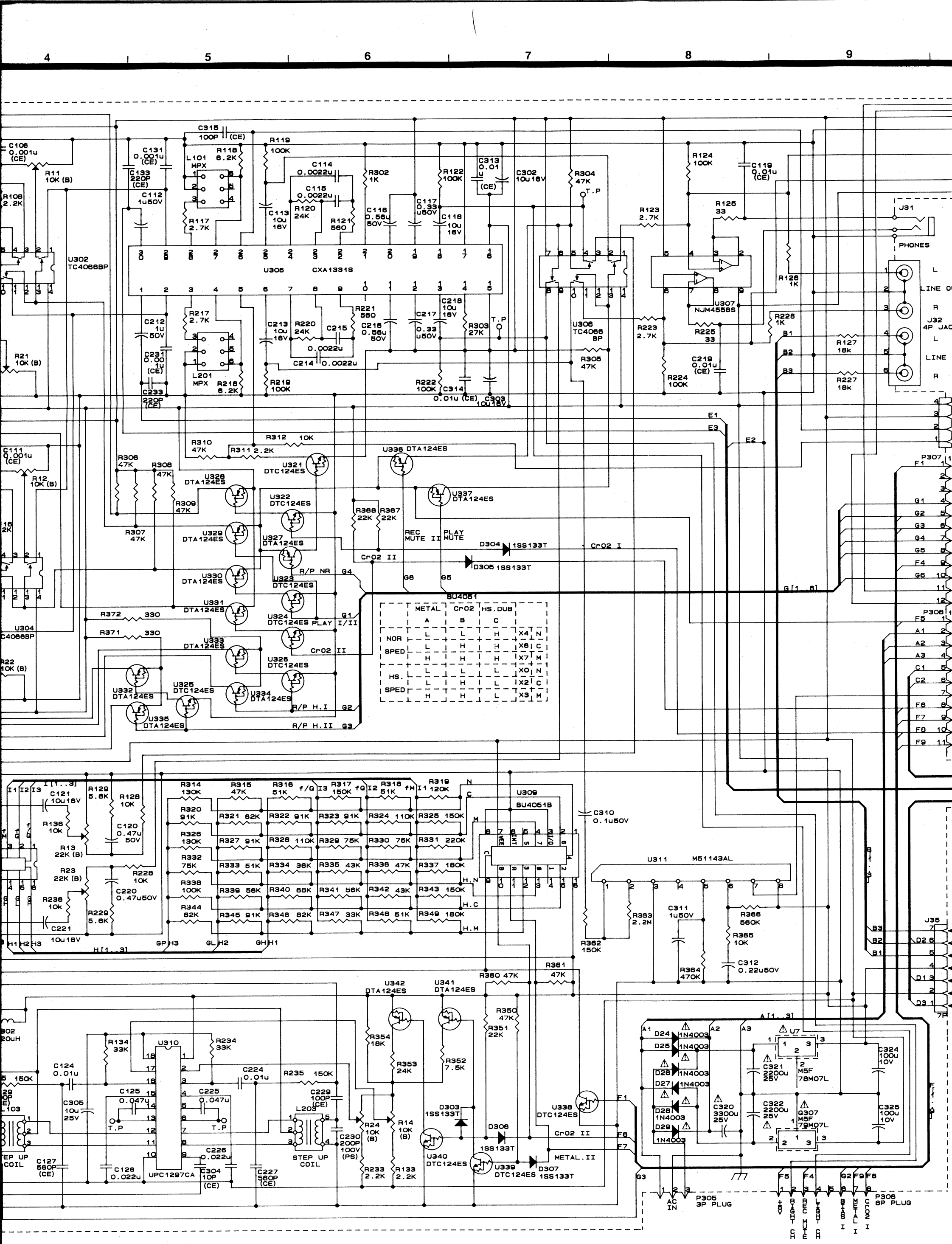

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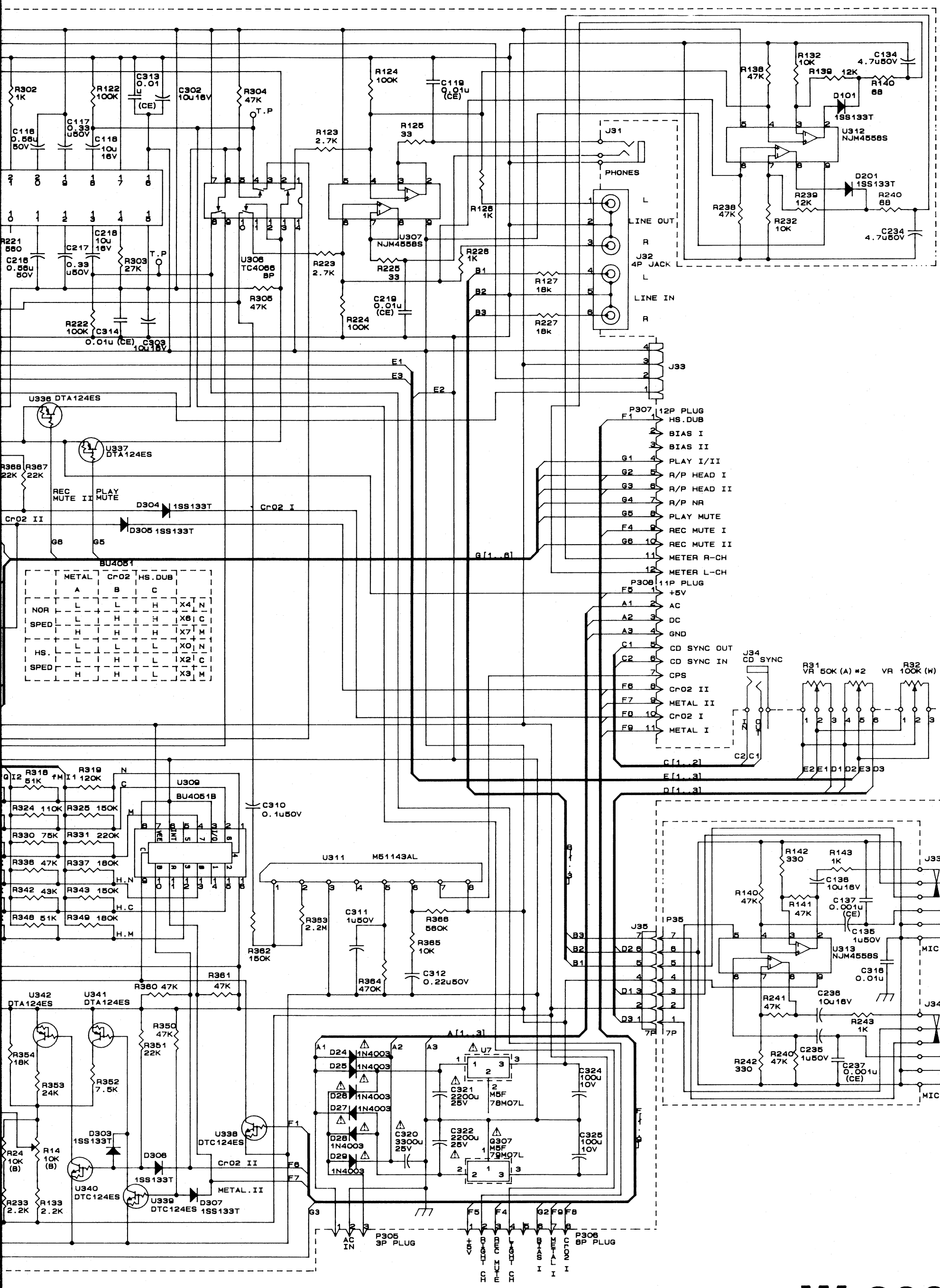
Dou



W-800R

Double Auto Reverse Cassette Deck

1 st Issue; September 1993